

LISTING OF MODULE PDB00010

12/21/90 JPH IF CONSUMER PAYMENT IS LESS THAN MERCHANT
CREDIT LIMIT, PROCESS PAYMENT AS ACH ITEM
REGARDLESS OF THE CREDIT LIMIT TOTAL.
EXCLUDE THESE ITEMS FROM ACCUMULATION
OF ACH TRANSACTIONS INTO THE CREDIT LIMIT
TOTAL.

02/01/91 JPH EXPAND SOURCE CODE CHECK FOR PAY BY PHONE
FROM 'N' TO 'N14'.

03/08/91 JPH COMMIT WORKS AND RESTART PROCESSING.

04/11/91 KAB CHANGED THE 'ROLLOVER DATE' HEADING TO
'EXTRA PMT.' AND OMITTED THE 'ROLLOVER AMT'
HEADING. ALSO, CHANGED THE DRAFT ERROR
REPORT TO SHOW STATUS CODES AND ADDED TOTALS
BY STATUS.

04/19/91 PAW ADD CODE TO USE PAPER OR ELECTRONIC
RT IF EFT CODE = 'B'.

05/25/91 JWF ELECTRONIC REMITTANCE PROCESSING.

06/05/91 JPH CORRECT PAYMENT ROLLOVER ERRORS FOR WEEKLY
OR BIWEEKLY PAYMENTS.

ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
INPUT-OUTPUT SECTION.
FILE-CONTROL.

SELECT DATE-FILE

ASSIGN TO DA-IDFILE
ORGANIZATION IS INDEXED
ACCESS MODE IS DYNAMIC
RECORD KEY IS COMP-CTL-KEY
FILE STATUS IS COMP-STATUS.

SELECT MERCHANT-FILE

ASSIGN TO DA-MERCHANT
ORGANIZATION IS INDEXED
ACCESS MODE IS RANDOM
RECORD KEY IS MMR-KEY
FILE STATUS IS MMR-STAT.

SELECT TRAMHOLD-FILE

ASSIGN TO UT-S-TRNHOLD.

SELECT DRFTITEM-FILE

ASSIGN TO UT-S-DRFTITEM.

SELECT ROLLOVER-REPORT

ASSIGN TO UT-S-SYS020.

000102 01/02/91
000103 01/02/91
000104 01/02/91
000105 01/02/91
000106 01/02/91
000107 01/02/91
000108 01/02/91
000109 02/10/91
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000199 04/14/91
000200 04/20/91
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000232

05/25/91

SELECT ERROR-REPORT ASSIGN TO UT-S-SYS021.
 SELECT SUMMARY-REPORT ASSIGN TO UT-S-SYS022.
 SELECT CARDIN ASSIGN TO UT-S-CARDIN.
 SELECT PAY-TABLE-INPUT ASSIGN TO UT-S-PAYTBLIN.
 SELECT PAY-TABLE-OUTPUT ASSIGN TO UT-S-PAYTBLOT.

DATA DIVISION.
 FILE SECTION.

FD DATE-FILE.
 01 DATE-RECORD.
 05 COMP-CTL-KEY PIC X(10).
 05 COMP-CTL-REC PIC X(400).

FD MERCHANT-FILE.
 -INC FMERCHNT

FD TRAMHOLD-FILE
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 -INC FVDRAFTM

FD DRFTITEM-FILE
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 DRFTITEM-RECORD PIC X(142).

FD ROLLOVER-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 ROLLOVER-REPORT-LINE PIC X(142).

FD ERROR-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 ERROR-REPORT-LINE PIC X(142).

FD SUMMARY-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 SUMMARY-REPORT-LINE PIC X(142).

FD CARDIN
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 CARDIN-LINE PIC X(80).

000233	03/13/91
000234	03/13/91
000235	03/13/91
000236	03/13/91
000237	03/13/91
000238	
000239	
000240	
000241	
000242	
000243	
000244	
000245	01/02/91
000246	
000247	
000248	
000249	
000250	
000251	01/02/91
X 000252	11/14/90
000253	
000254	
000255	01/02/91
000256	
X 000257	04/20/91
000258	
000259	
000260	01/02/91
000261	
000262	03/13/91
000263	
000264	
000265	01/02/91
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000267	03/13/91
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000269	
000270	01/02/91
000271	
000272	03/13/91
000273	
000274	
000275	01/02/91
000276	
000277	03/13/91
000278	
000279	
000280	01/02/91
000281	
000282	
000283	03/13/91

FD PAY-TABLE-INPUT
RECORDING MODE F
BLOCK CONTAINS 0 RECORDS.
01 PAY-TBL-INPUT-REC PIC X(25).

FD PAY-TABLE-OUTPUT
RECORDING MODE F
BLOCK CONTAINS 0 RECORDS.
01 PAY-TBL-OUTPUT-REC PIC X(25).

WORKING-STORAGE SECTION.

77 FILLER
PIC X(37) VALUE
'PDB00010 WORKING-STORAGE BEGINS HERE'.

EXEC SQL INCLUDE PBT001 END-EXEC.

EXEC SQL INCLUDE PBT002 END-EXEC.

EXEC SQL INCLUDE PBT006 END-EXEC.

EXEC SQL INCLUDE PBT007 END-EXEC.

EXEC SQL INCLUDE PBT010 END-EXEC.

EXEC SQL INCLUDE PBT900 END-EXEC.

77 SQL-DRAFT-DATE PIC S9(6) COMP VALUE ZEROS.
77 SQL-PREV-SSN PIC S9(9) COMP VALUE ZEROS.

EXEC SQL INCLUDE SQLCA END-EXEC.

-INC SQLFLDS

77 COMP-STATUS PIC XX.
77 WS-COMP-KEY PIC X(10) VALUE 'AAA'.

: FPRODATE

* THE FOLLOWING SWITCH CAN BE INITIALIZED TO 'Y'
* TO INDICATE THAT CERTAIN CODE THAT SHOULD (OR SHOULD NOT)
* BE EXECUTED DURING A NON-PRODUCTION RUN.
* UPDATES OF THE DB2 TABLES ARE BYPASSED AND A CHECK AMOUNT OF
* ZERO IS USED WHEN THE SWITCH IS SET TO 'Y'.

01 TEST-PGM-SW PIC X(1) VALUE 'N'.
00 TEST-PGM VALUE 'Y'.

000204 03/13/91
000205 03/13/91
000206 03/13/91
000207 05/25/91
000208 03/13/91
000209 03/13/91
000290 03/13/91
000291 03/13/91
000292 05/25/91
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000326 05/25/91
000327 05/25/91
000328 05/25/91
000329 05/25/91
000330 05/25/91
000331 05/25/91
000332 05/25/91
000333 05/25/91
000334

M LEVEL 00 SWITCHES M

01 PROGRAM-INDICATORS.

05	PAYTBL-INPUT-EOF-SW	PIC X	VALUE 'N'.	00335	05/25/91
	00 END-OF-TBLIN		VALUE 'Y'.	00336	03/13/91
	00 NOT-END-OF-TBLIN		VALUE 'N'.	00337	03/13/91
				00338	03/13/91
				00339	03/13/91
05	INPUT-EOF-SW	PIC X	VALUE 'N'.	00340	05/25/91
	00 EOF		VALUE 'Y'.	00341	03/13/91
05	PAY-BY-PHONE-SW	PIC X	VALUE 'N'.	00342	03/13/91
	00 PAY-BY-PHONE		VALUE 'Y'.	00343	03/13/91
05	IS-CONSUMER-IN-ERROR	PIC X	VALUE 'Y'.	00344	03/13/91
	00 CONSUMER-IN-ERROR		VALUE 'Y'.	00345	03/13/91
05	ARE-MRCH-RO-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	00346	
	00 MRCH-RO-HEADINGS-NOT-WRITTEN		VALUE 'N'.	00347	
05	ARE-CONRS-RO-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	00348	
	00 CONRS-RO-HEADINGS-NOT-WRITTEN		VALUE 'N'.	00349	
05	ARE-MRCH-ERR-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	00350	
	00 MRCH-ERR-HEADINGS-NOT-WRITTEN		VALUE 'N'.	00351	
05	ARE-CONRS-ERR-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	00352	
	00 CONRS-ERR-HEADINGS-NOT-WRITTEN		VALUE 'N'.	00353	
05	ARE-CONRS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00354	
	00 CONRS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00355	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00356	
	00 MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00357	
05	ARE-CONRS-RO-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00358	
	00 CONRS-RO-DETAIL-NOT-WRITTEN		VALUE 'N'.	00359	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00360	
	00 MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00361	
05	ARE-CONRS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00362	
	00 CONRS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00363	
05	ARE-CONRS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00364	
	00 CONRS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00365	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00366	
	00 MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	00367	
05	ARE-CONRS-RO-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00368	
	00 CONRS-RO-DETAIL-NOT-WRITTEN		VALUE 'N'.	00369	
05	ARE-MRCH-RO-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	00370	
	00 MRCH-RO-DETAIL-NOT-WRITTEN		VALUE 'N'.	00371	
05	IS-RECORD-IN-ERROR	PIC X	VALUE 'Y'.	00372	
	00 RECORD-IN-ERROR		VALUE 'Y'.	00373	
05	IS-PAY-TABLE-ITEM-FOUND	PIC X	VALUE 'Y'.	00374	
	00 PAY-TABLE-ITEM-FOUND		VALUE 'N'.	00375	
05	IS-PAY-TABLE-ITEM-NOT-FOUND	PIC X	VALUE 'Y'.	00376	
	00 PAY-TABLE-ITEM-NOT-FOUND		VALUE 'N'.	00377	
05	IS-PAY-TABLE-SORTED	PIC X	VALUE 'Y'.	00378	
			VALUE 'Y'.	00379	
			VALUE 'N'.	00380	
			VALUE 'Y'.	00381	
			VALUE 'N'.	00382	
			VALUE 'Y'.	00383	
			VALUE 'N'.	00384	
			VALUE 'Y'.	00385	

LISTING OF MODULE PDB00010

RUN NO. 746 DATE=06/14/91 TIME=0033

05	IS-THIS-FIRST-ERROR-RECORD	PIC X	VALUE 'Y'.	000437	03/13/91
00	FIRST-ERROR-RECORD		VALUE 'Y'.	000438	03/13/91
05	IS-THIS-FIRST-ROLL-RECORD	PIC X	VALUE 'Y'.	000439	03/13/91
00	FIRST-ROLL-RECORD		VALUE 'Y'.	000440	03/13/91
05	WS-77-HOLD-PAY-AMOUNT	PIC 9(07)V99	VALUE ZEROS.	000441	03/13/91
05	WS-77-HOLD-PAY-DATE	PIC 9(06)	VALUE ZEROS.	000442	03/13/91
05	WS-TOT-ERR-DOLLARS	PIC 9(17)V99	VALUE ZEROS.	000443	03/13/91
05	WS-TOT-ERR-ITEMS	PIC 9(17)	VALUE ZEROS.	000444	03/13/91
05	WS-TOT-RO-DOLLARS	PIC 9(17)V99	VALUE ZEROS.	000445	03/13/91
05	WS-TOT-RO-ITEMS	PIC 9(17)	VALUE ZEROS.	000446	03/13/91
05	WS-TOT-RO-DOLLARS	PIC 9(17)V99	VALUE ZEROS.	000447	03/13/91
05	WS-TOT-RO-ITEMS	PIC 9(17)	VALUE ZEROS.	000448	03/13/91
05	WS-TOT-RO-DOLLARS	PIC 9(17)V99	VALUE ZEROS.	000449	03/13/91
05	WS-TOT-RO-ITEMS	PIC 9(17)	VALUE ZEROS.	000450	03/13/91
05	WS-TOTAL-ERROR-LINES	PIC 999	VALUE 999.	000451	03/13/91
05	WS-TOTAL-ROLLOVER-LINES	PIC 999	VALUE 999.	000452	03/13/91
05	WS-ERROR-PAGE-COUNT	PIC 9(04)	VALUE ZEROS.	000453	03/13/91
05	WS-ROLLOVER-PAGE-COUNT	PIC 9(04)	VALUE ZEROS.	000454	03/13/91
05	WS-SUMMARY-PAGE-COUNT	PIC 9(04)	VALUE ZEROS.	000455	03/13/91
05	WS-PREVIOUS-SSN	PIC 9(9)	VALUE ZEROS.	000456	03/13/91
05	WS-PREVIOUS-ERROR-SSN	PIC 9(9)	VALUE ZEROS.	000457	03/13/91
05	WS-PREVIOUS-ROLL-SSN	PIC 9(9)	VALUE ZEROS.	000458	03/13/91
05	TFR-COL-TOT-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000459	03/13/91
05	TFR-COL-TOT-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000460	03/13/91
05	TFR-COL-ACH-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000461	03/13/91
05	TFR-COL-ACH-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000462	03/13/91
05	TFR-COL-PPR-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000463	03/13/91
05	TFR-COL-PPR-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000464	03/13/91
05	TFR-COL-CIK-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000465	03/13/91
05	TFR-COL-CIK-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000466	03/13/91
05	TFR-RMT-TOT-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000467	03/13/91
05	TFR-RMT-TOT-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000468	03/13/91
05	TFR-RMT-ACH-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000469	03/13/91
05	TFR-RMT-ACH-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000470	03/13/91
05	TFR-RMT-PPR-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000471	03/13/91
05	TFR-RMT-PPR-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000472	03/13/91
05	TFR-RMT-CIK-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000473	03/13/91
05	TFR-RMT-CIK-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000474	03/13/91
05	TFR-RMT-TOT-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000475	03/13/91
05	TFR-RMT-TOT-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000476	03/13/91
05	TFR-RMT-ACH-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000477	03/13/91
05	TFR-RMT-ACH-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000478	03/13/91
05	TFR-RMT-PPR-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000479	03/13/91
05	TFR-RMT-PPR-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000480	03/13/91
05	TFR-RMT-CIK-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000481	03/13/91
05	TFR-RMT-CIK-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000482	03/13/91
05	TFR-RMT-TOT-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000483	03/13/91
05	TFR-RMT-TOT-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000484	03/13/91
05	TFR-RMT-ACH-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000485	03/13/91
05	TFR-RMT-ACH-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000486	03/13/91
05	TFR-RMT-PPR-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000487	03/13/91
05	TFR-RMT-PPR-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000488	03/13/91
05	TFR-RMT-CIK-ITEMS	PIC S9(17)	COMP-3 VALUE ZERO.	000489	03/13/91
05	TFR-RMT-CIK-DOLLARS	PIC S9(17)V9(2)	COMP-3 VALUE ZERO.	000490	03/13/91

THE FOLLOWING TWO FIELDS ARE USED TO KEEP TRACK OF THE NUMBER OF ITEMS AND DOLLARS IN ERROR FOR ALL CONSUMERS.

PROGRAM HOLD AREA

LISTING OF MODULE PDB00010

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01 WS-HOLD-DRAFT.
05 DRAFT-EXTENSION PIC XX.
05 DRAFT-EXTENSION-99 REDEFINES DRAFT-EXTENSION PIC 99.
05 FILLER PIC X(78) VALUE SPACES.
01 WS-HOLD-ACH.
05 DAY-NIGHT-ACH PIC X.
06 DAY-ACH
06 NIGHT-ACH
05 FILLER PIC X(79)
01 WS-ROLLBACK-CNT.
05 WS-ROLLBACK-CNTR PIC 999
05 FILLER PIC X(77)
01 WS-ROLLBACK-COUNT PIC 999
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DRAFTITEM
*****
M PHONE NUMBER AREA M
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01 WS-PHONE-NUMBER-AREA.
05 WS-PHONE-NUMBER-IN.
10 WS-AREA-CODE-IN
10 WS-PHONE-EXCHG-IN
10 WS-PHONE-EXT-IN
05 WS-PHONE-NUMBER-OUT.
10 WS-AREA-CODE-OUT
10 FILLER
10 WS-PHONE-EXCHG-OUT
10 FILLER
10 WS-PHONE-EXT-OUT
*****
M TRACE NUMBER M
*****

01 WS-TRACE-NUMBER-AREA.
05 WS-TRACE-NBR.
10 FILLER
10 WS-TRACE-YY
10 WS-TRACE-DDD
*****

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03/13/91
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11/14/90

X

LISTING OF MODULE PDB00010

M SSN AREA M
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01 WS-SSN-AREA.

05 WS-SSN-IN.

10 WS-SSN-1ST3-IN
 10 WS-SSN-2ND2-IN
 10 WS-SSN-LAST4-IN

PIC 999
 PIC 99
 PIC 9999

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

05 WS-SSN-OUT.

10 WS-SSN-1ST3-OUT
 10 FILLER
 10 WS-SSN-2ND2-OUT
 10 FILLER
 10 WS-SSN-LAST4-OUT

PIC 999
 PIC X
 PIC 99
 PIC X
 PIC 9999

VALUE ZEROS.
 VALUE '---'
 VALUE ZEROS.
 VALUE '---'
 VALUE ZEROS.

 M COMPARE VARIABLES M
 #####

77 WS-CARDIN-SW

00 MORE-CARDIN
 00 NO-MORE-CARDIN

PIC X

VALUE 'Y'.
 VALUE 'Y'.
 VALUE 'N'.

77 WS-STATUS-A-CNT

77 WS-STATUS-I-CNT
 77 WS-STATUS-F-CNT
 77 WS-STATUS-B-CNT
 77 WS-STATUS-P-CNT
 77 WS-STATUS-C-CNT
 77 WS-STATUS-TOT-CNT

PIC 9(6)
 PIC 9(6)
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 PIC 9(6)

VALUE ZEROS.
 VALUE ZEROS.
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 M PCN DATE FIELDS M
 #####

01 WS-DATE-WORK.

05 WS-HOLD-DATE-FFMMDDYY.

10 HOLD-F-FFMMDDYY
 10 HOLD-M-FFMMDDYY
 10 HOLD-D-FFMMDDYY
 10 HOLD-Y-FFMMDDYY

PIC 9(02)
 PIC 9(02)
 PIC 9(02)
 PIC 9(02)

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

05 WS-HOLD-DATE.

10 HOLD-MONTH
 10 HOLD-DAY
 10 HOLD-YEAR

PIC 9(02)
 PIC 9(02)
 PIC 9(02)

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

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LISTING OF MODULE PDB00010

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01 WS-SC-LIT.
05 FILLER
05 WS-SC-CODE
PIC X(03)
PIC X(02)
VALUE 'SC '.
VALUE SPACES.

01 WS-PRINT-LINE.
05 JUNK-COMMIT-KEY
05 CC-LINE
05 JUNK-LINE
PIC X(09)
PIC X(11)
PIC X(132)
PIC X(132)
PIC X(132)
PIC X(132)
VALUE SPACES.
VALUE SPACES.
VALUE SPACES.

01 WS-PRINT-LINE2
PIC X(132)
VALUE SPACES.

01 TRANFREE-SC-TABLE.
05 TRANFREE-TBL-ENTRIES
05 TRANFREE-CURR-ENTRY
05 TRANFREE-MAX-ENTRIES
05 TRANFREE-SC-ENTRY OCCURS 1500 TIMES
INDEXED BY TFR-IDX.
PIC S9(8) COMP VALUE ZERO.
PIC S9(8) COMP VALUE ZERO.
PIC S9(8) COMP VALUE +1500.

10 TFR-TBL-SC-CODE
10 TFR-TBL-SC-ITEMS
10 TFR-TBL-SC-DOLLARS
PIC X(12)
PIC S9(16)
PIC S9(9)V9(2)
VALUE SPACES.
COMP-3 VALUE +0.
COMP-3 VALUE +0.

01 TRANFREE-PAY-TABLE-REC.
05 TFR-PAY-TBL-COMMIT
05 TFR-PAY-TBL-MBR
05 TFR-PAY-TBL-ENTRY
PIC 9(9).
PIC S9(8)
PIC X(12).
VALUE SPACES.
COMP.

*****
N OUTPUT DEFINITIONS
*****
01 WS-HEADINGS-FOR-ROLLOVER.
05 PD-HEADING-1.
10 FILLER
PIC X(11)
VALUE

10 FILLER
PIC X(133)
VALUE SPACES.

10 FILLER
PIC X(43)
VALUE

10 FILLER
CHECKFREE CORPORATION - CONSUMER SERVICES
PIC X(120)
PIC X(9)
VALUE SPACES.
VALUE

```

-INC TRKFLDS

-INC FDATAFLDS

000641 05/25/91
000642 05/25/91
000643 11/14/90
000644 05/25/91
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000690 05/25/91
000691 05/25/91

04/14/91

05	10	RO-RUN-DATE	'RUN DATE'	PIC X(8).	000692
	10	RO-HEADING-2.			000693
	10	FILLER			000694
	10	FILLER			000695
	10	FILLER			000696
	10	FILLER			000697
	10	RO-DRAFT-REPORT-DATE	PIC X(8).		000698
	10	FILLER	PIC X(45)		000699
	10	FILLER	PIC X(5)		000700
	10	RO-PAGE-NUMBER	PIC Z,ZZ9.		000701
	10	FILLER			000702
	10	FILLER			000703
	10	FILLER			000704
	10	FILLER			000705
	10	FILLER			000706
	10	FILLER			000707
	10	FILLER			000708
	10	FILLER			000709
	10	FILLER			000710
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	10	FILLER			000742

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```
05 GMD-TOT-ERR-DETAIL.
10 FILLER 'GRAND TOTALS ---' PIC X(10) VALUE
10 GMD-TOT-ROL-ITEMS 'TOTAL ITEMS PAID ' PIC ZZZZZZ9.
10 FILLER PIC X(06) VALUE SPACES.
10 FILLER PIC X(19) VALUE
10 GMD-TOT-ROL-DOLLARS 'TOTAL DOLLARS PAID ' PIC 000,000,000.99.
10 FILLER PIC X(39) VALUE SPACES.

05 GMD-TOT-ERR-DETAIL.
10 FILLER 'GRAND TOTALS ERRORS ---' PIC X(20) VALUE
10 FILLER 'TOTAL ITEMS ERROR ' PIC X(10) VALUE
10 GMD-TOT-ERR-ITEMS 'TOTAL ITEMS ERROR ' PIC ZZZZZZ9.
10 FILLER PIC X(06) VALUE SPACES.
10 FILLER PIC X(19) VALUE
10 GMD-TOT-ERR-DOLLARS 'TOTAL DOLLARS ERROR ' PIC 000,000,000.99.
10 FILLER PIC X(39) VALUE SPACES.

01 WS-HEADINGS-FOR-ERROR-REPT.
05 ERR-HEADING-1.
10 FILLER 'PDB00010.21' PIC X(11) VALUE
10 FILLER PIC X(33) VALUE SPACES.
10 FILLER PIC X(43) VALUE
10 FILLER 'CHECKFREE CORPORATION - CONSUMER SERVICES ' VALUE SPACES.
10 FILLER PIC X(28) VALUE
10 FILLER PIC X(19) VALUE
10 ERR-RUN-DATE 'RUN DATE ' PIC X(8).

05 ERR-HEADING-2.
10 FILLER PIC X(49) VALUE SPACES.
10 FILLER PIC X(23) VALUE
10 FILLER 'DRAFT ERROR REPORT FOR ' VALUE SPACES.
10 ERR-DRAFT-DATE PIC X(8).
10 FILLER PIC X(42) VALUE SPACES.
10 FILLER PIC X(5) VALUE 'PAGE '.
10 ERR-PAGE-NUMBER PIC Z,ZZ9.

05 ERR-HEADING-3.
10 FILLER PIC X(04) VALUE SPACES.
10 FILLER PIC X(03) VALUE
10 FILLER 'SSN' PIC X(10) VALUE SPACES.
```

LISTING OF MODULE PDB00010

10 FILLER	PIC X(09)	VALUE	000045	
10 FILLER	'LAST NAME'.	VALUE SPACES.	000046	
10 FILLER	PIC X(08)	VALUE	000047	
10 FILLER	PIC X(10)	VALUE	000048	
10 FILLER	'FIRST NAME'.	VALUE SPACES.	000049	
10 FILLER	PIC X(02)	VALUE	000050	
10 FILLER	PIC X(02)	VALUE	000051	
10 FILLER	'MI'.	VALUE SPACES.	000052	
10 FILLER	PIC X(61)	VALUE	000053	
10 FILLER	PIC X(10)	VALUE	000054	
10 FILLER	'REASON FOR REJECTS'.	VALUE SPACES.	000055	
10 FILLER	PIC X(05)	VALUE	000056	
05 ERR-HEADING-4.			000057	
10 FILLER	PIC X(06)	VALUE SPACES.	000058	04/14/91
10 FILLER	PIC X(08)	VALUE	000059	04/14/91
10 FILLER	'PC PHONE'.	VALUE SPACES.	000060	04/14/91
10 FILLER	PIC X(03)	VALUE	000061	04/14/91
10 FILLER	PIC X(03)	VALUE	000062	04/14/91
10 FILLER	'CRP'.	VALUE SPACES.	000063	
10 FILLER	PIC X(12)	VALUE	000064	
10 FILLER	PIC X(08)	VALUE SPACES.	000065	
10 FILLER	'MERCHANT'.	VALUE	000066	
10 FILLER	PIC X(16)	VALUE SPACES.	000067	
10 FILLER	PIC X(14)	VALUE	000068	
10 FILLER	'ACCOUNT NUMBER'.	VALUE SPACES.	000069	
10 FILLER	PIC X(04)	VALUE	000070	
10 FILLER	PIC X(04)	VALUE SPACES.	000071	04/14/91
10 FILLER	'TYPE'.	VALUE	000072	04/14/91
10 FILLER	PIC X(04)	VALUE SPACES.	000073	04/14/91
10 FILLER	PIC X(06)	VALUE	000074	04/14/91
10 FILLER	'AMOUNT'.	VALUE SPACES.	000075	
10 FILLER	PIC X(05)	VALUE	000076	
10 FILLER	PIC X(08)	VALUE SPACES.	000077	
10 FILLER	'PAY DATE'.	VALUE	000078	
10 FILLER	PIC X(31)	VALUE SPACES.	000079	
01 WS-DETAILS-FOR-ERROR.			000080	
05 ERR-DETAIL-1.			000081	
10 FILLER	PIC X(11).	VALUE SPACES.	000082	
10 FILLER	PIC X(02)	VALUE	000083	
10 FILLER	PIC X(20).	VALUE SPACES.	000084	
10 FILLER	PIC X(01)	VALUE	000085	
10 FILLER	PIC X(10).	VALUE SPACES.	000086	
10 FILLER	PIC X(02)	VALUE	000087	
10 FILLER	PIC X(01).	VALUE SPACES.	000088	
10 FILLER	PIC X(01).	VALUE	000089	
10 FILLER	PIC X(54)	VALUE SPACES.	000090	
10 FILLER	PIC X(29).	VALUE	000091	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000092	04/14/91
			000093	04/14/91
			000094	
			000095	

GO TO ERRCHEX
END-IF.

```
IF PC-LAST-COMMIT-KEY NOT = SPACE
  DISPLAY 'RESTARTING PROGRAM ' WS-PROGRAM-NAME
  MOVE PC-LAST-COMMIT-KEY TO WS-LAST-KEY
  MOVE 'V' TO PC-RESTART-MODE
END-IF.
```

OPEN INPUT DATE-FILE.
OPEN INPUT CARDIN.

PERFORM A050-INITIALIZE THRU A050-INITIALIZE-EXIT.

CLOSE DATE-FILE.

DELCLARE CURSORS HERE.

MOVE 'DECLARE CURSOR TO10' TO STEP-DENOTER.
EXEC SQL DECLARE TO10 CURSOR FOR

```

SELECT
  MS_SETTLE_CODE,
  MS_STATUS,
  MS_SETTLE_METH_IND
FROM T010_MRCH_SETTLE
WHERE
  MS_SETTLE_METH_IND = 'A'
  AND MS_STATUS = 'A'
ORDER BY MS_SETTLE_CODE
END-EXEC.

```

```
MOVE 'DECLARE CURSOR T002' TO STEP-DENOTER.
EXEC SQL DECLARE T002 CURSOR
```

```
FOR SELECT
CP_SSN,
CP_CHK_PHONE,
CP_CHK_CR_PHONE,
CP_MRCH_PHONE,
CP_MRCH_CR_PHONE,
CP_MRCH_NAME,
CP_MRCH_AMT,
CP_MRCH_PAY_DATE,
CP_PAY_TYPE,
CP_NDR_REMAIN,
CP_STATUS,
CP_ACCT_NBR,
CP_PAY_FREQ,
CP_CHG_DATE,
CP_CHG_AMT,
```


MOVE 'OPEN CURSOR T002' TO STEP-DENOTER.
EXEC SQL OPEN T002 END-EXEC.
OPEN OUTPUT TRANHOLD-FILE

PAY-TABLE-OUTPUT
DRFTITEM-FILE
ROLLOVER-REPORT
ERROR-REPORT
SUMMARY-REPORT.

PERFORM A100-MAIN THRU
A100-MAIN-EXIT.

MOVE 'CLOSE CURSOR T002' TO STEP-DENOTER.
EXEC SQL CLOSE T002 END-EXEC.

IF WS-TOTAL-ERROR-LINES > 40
PERFORM D100-ERROR-HEADINGS
THRU D100-ERROR-HEADINGS-EXIT.

MOVE 'TOTAL OF SSM BY STATUS A ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-A-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS I ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-I-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS F ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-F-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS D ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-D-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS P ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-P-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS C ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-C-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERR-REPORT-LINE.
WRITE ERR-REPORT-LINE.

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001153 03/13/91
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LISTING OF MODULE PBB00010

```

COMPUTE WS-STATUS-TOT-CNT = WS-STATUS-A-CNT +
WS-STATUS-I-CNT +
WS-STATUS-F-CNT +
WS-STATUS-D-CNT +
WS-STATUS-P-CNT +
WS-STATUS-C-CNT.

```

```

MOVE SPACES TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

```

```

MOVE 'TOTAL CONSUMERS IN ERROR ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-TOT-CNT TO ERR-STATUS-CNT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.
CLOSE MERCHANT-FILE,
TRANHOLD-FILE,
DRFTIYEN-FILE,
ROLLOVER-REPORT,
ERROR-REPORT,
SUMMARY-REPORT,
CARDIN.

```

```

MOVE SPACE TO PC-LAST-COMMIT-KEY
PERFORM 9000-COMMIT-WORK THRU
9000-EXIT
STOP RUN.

```

```

A000-MAINLINE-EXIT.
EXIT.

```

```

A050-INITIALIZE.
ACCEPT WS-CURRENT-DATE FROM DATE.
MOVE CD-YR TO WS-TRANS-YEAR.
MOVE CD-MONTH TO WS-TRANS-MONTH.
MOVE CD-DAY TO WS-TRANS-DAY.
ACCEPT WS-TIME FROM TIME.
MOVE WS-HH TO WS-HOUR.
MOVE WS-MM TO WS-MIN.

MOVE WS-COMP-KEY TO COMP-CIL-KEY.
READ DATE-FILE INTO WS-DATE-RECORD.
IF COMP-STATUS = '00'
NEXT SENTENCE
ELSE
DISPLAY 'MESSAGE FROM ' SQL-PCN ' '
DISPLAY 'BAD READ ON ACOMP DATE FILE.'
DISPLAY 'STATUS CODE IS: ' COMP-STATUS
DISPLAY 'PROGRAM HALTED. STOP JOB '

```

001202	04/14/91
001203	04/14/91
001204	04/14/91
001205	04/14/91
001206	04/14/91
001207	04/14/91
001208	04/14/91
001209	04/14/91
001210	04/14/91
001211	04/14/91
001212	04/14/91
001213	04/14/91
001214	04/14/91
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001224	03/13/91
001225	03/13/91
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001227	03/13/91
001228	03/13/91
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001236	01/02/91
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LISTING OF MODULE PDB00010

```

DISPLAY 'STREAM AND CORRECT PROBLEM. '
DISPLAY '
DISPLAY 'MESSAGE FROM ' SQL-PCB ' : ' UPON CONSOLE
DISPLAY 'BAD READ ON AECOMP DATE FILE. ' UPON CONSOLE
DISPLAY 'STATUS CODE IS: ' COMP-STATUS UPON CONSOLE
DISPLAY 'PROGRAM HALTED. STOP JOB ' UPON CONSOLE
DISPLAY 'STREAM AND CORRECT PROBLEM. ' UPON CONSOLE
DISPLAY '
CLOSE DATE-FILE
GO TO ERRCHK.

```

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```

MOVE AECO-CTL-TOD-PMT-DY TO DRAFT-DATE.
***** CONVERT DRAFT-DATE TO DRAFT-DATE-PLUS-DEF
MOVE DRAFT-DATE TO DATE-MDDYYYY.
PERFORM GREGORIAN-TO-JULIAN THRU
      GREGORIAN-TO-JULIAN-EXIT.
MOVE 'D' TO DATE-PERIOD.

```

IF MORE-CARDIN

```

READ CARDIN INTO WS-HOLD-DRAFT AT END
MOVE 'N' TO WS-CARDIN-SM.

```

IF DRAFT-EXTENSION NOT NUMERIC

```

DISPLAY 'MESSAGE FROM ' SQL-PCB ' :
DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
DISPLAY 'VALUE SET IN JCL IS NON-NUMERIC.
DISPLAY 'STOP JOB STREAM AND CORRECT THIS
DISPLAY 'PROBLEM.
DISPLAY '
DISPLAY 'MESSAGE FROM ' SQL-PCB ' :
DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
DISPLAY 'VALUE SET IN JCL IS NON-NUMERIC.
DISPLAY 'STOP JOB STREAM AND CORRECT THIS
DISPLAY 'PROBLEM.
GO TO ERRCHK.

```

```

* UPON CONSOLE
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* UPON CONSOLE

```

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IF DRAFT-EXTENSION-99 > 99

```

DISPLAY 'MESSAGE FROM ' SQL-PCB ' :
DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
DISPLAY 'VALUE SET IN JCL IS TOO BIG.
DISPLAY 'STOP JOB STREAM AND CORRECT THIS
DISPLAY 'PROBLEM.
DISPLAY '
DISPLAY 'MESSAGE FROM ' SQL-PCB ' :
DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
DISPLAY 'VALUE SET IN JCL IS TOO BIG.
DISPLAY 'STOP JOB STREAM AND CORRECT THIS
DISPLAY 'PROBLEM.
GO TO ERRCHK.

```

```

* UPON CONSOLE
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* UPON CONSOLE

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03/13/91

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```

IF MORE-CARDIN
  READ CARDIN INTO WS-HOLD-ACH AT END
  MOVE 'N' TO WS-CARDIN-SW
ELSE
  MOVE SPACES TO WS-HOLD-ACH.
  IF DAY-NIGHT-ACH NOT = 'D'
    AND
    DAY-NIGHT-ACH NOT = 'E'
    DISPLAY 'MESSAGE FROM ' SQL-PCM ' ;
    DISPLAY 'PROGRAM HALTED. ACH MODIFIER SET '
    DISPLAY 'IN JCL MUST BE EITHER B OR E.
    DISPLAY 'STOP JOB STREAM AND CORRECT THIS
    DISPLAY 'PROBLEM.
    DISPLAY
    DISPLAY 'MESSAGE FROM ' SQL-PCM ' ;
    DISPLAY 'PROGRAM HALTED. ACH MODIFIER SET '
    DISPLAY 'IN JCL MUST BE EITHER B OR E.
    DISPLAY 'STOP JOB STREAM AND CORRECT THIS
    DISPLAY 'PROBLEM.
    DISPLAY
    GO TO ERRCIK.

```

```

MOVE DRAFT-EXTENSION-99 TO DATE-FREQ.
PERFORM FUTURE-DATE THRU
  FUTURE-DATE-EXIT.
PERFORM JULIAN-TO-GREGORIAN THRU
  JULIAN-TO-GREGORIAN-EXIT.
MOVE DATE-MM TO DATE-M.
MOVE DATE-DD TO DATE-D.
MOVE DATE-YY TO WS-YEAR-WORK.
MOVE WS-YY-LAST12 TO DATE-Y.
MOVE DATE-MDY TO DRAFT-DATE-PLUS-DEF

```

```

***** MOVE DRAFT-DATE-PLUS-DEF TO OUTPUT REPORT DATES.
MOVE DRAFT-DATE-PLUS-DEF TO WS-DATE-MDY.
MOVE WS-M-MDY TO WS-M-MDY-SLASHES
MOVE WS-D-MDY TO WS-D-MDY-SLASHES
MOVE WS-Y-MDY TO WS-Y-MDY-SLASHES
MOVE WS-DATE-MDY-WITH-SLASHES TO NO-DRAFT-REPORT-DATE,
  ERR-DRAFT-DATE.

```

```

***** CONVERT DRAFT-DATE TO YYYMMDD FORMAT FOR COMPARE ON T002.
MOVE DRAFT-DATE-PLUS-DEF TO WS-DATE-MDY.
MOVE WS-Y-MDY TO WS-Y-YMD
MOVE WS-M-MDY TO WS-M-YMD
MOVE WS-D-MDY TO WS-D-YMD
MOVE WS-DATE-YMD TO WS-77-DATE
MOVE WS-77-DATE TO SQL-DATE-DATE

```

```

***** MOVE TODAY'S PROCESSING DATE TO OUTPUT RUN DATE.
MOVE AECO-CTL-TOD-PRO-DT TO WS-77-DATE-7DIGITS.

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```

MOVE WS-77-DATE-7DIGITS TO WS-SQL-DATE.
MOVE WS-SQL-DATE-YMD TO WS-DATE-MDY.
MOVE WS-Y-MDY TO WS-Y-MDY-SLASHES
MOVE WS-M-MDY TO WS-M-MDY-SLASHES
MOVE WS-D-MDY TO WS-D-MDY-SLASHES
MOVE WS-DATE-MDY-WITH-SLASHES TO RO-RUN-DATE,
ERR-RUN-DATE
SUM-RUN-DATE.

```

```

MOVE WS-Y-MDY TO HOLD-Y-FFMDDYV
MOVE WS-M-MDY TO HOLD-M-FFMDDYV
MOVE WS-D-MDY TO HOLD-D-FFMDDYV
MOVE 00 TO HOLD-F-FFMDDYV
MOVE WS-HOLD-DATE-FFMDDYV TO DATE-MDDYVYV
PERFORM GREGORIAN-TO-JULIAN THRU
GREGORIAN-TO-JULIAN-EXIT

```

```

MOVE DATE-YYYY TO WS-TRACE-YY.
MOVE DATE-DDD TO WS-TRACE-DDD.

```

```

***** INITIALIZE THE DRAFTED ITEMS FILE.
MOVE ZEROES TO DRAFT-RECORD.
MOVE SPACES TO DRAFT-MRCH-DELETE,
DRAFT-MRCH-PNEUMONIC,
DRAFT-PAY-TYPE,
DRAFT-PAY-STATUS,
DRAFT-MRCH-NAME,
DRAFT-CHECK-DIGIT.

```

A050-INITIALIZE-EXIT.
EXIT.

```

A075-LOAD-STLCODE-TBL.
IF TRANFREE-TBL-ENTRIES EQUAL TRANFREE-MAX-ENTRIES
DISPLAY 'SETTLEMENT CODE TABLE OVERFLOW'
GO TO ERRCWK.

```

```

ADD 1 TO TRANFREE-TBL-ENTRIES.
SET TFR-IDX TO TRANFREE-TBL-ENTRIES.
MOVE MS-SETTLE-CODE TO TFR-TBL-SC-CODE (TFR-IDX).
MOVE ZERO TO TFR-TBL-SC-ITEMS (TFR-IDX).
MOVE ZERO TO TFR-TBL-SC-DOLLARS (TFR-IDX).
PERFORM A079-READ-STLCODE
THRU A079-READ-STLCODE-EXIT.

```

A075-LOAD-STLCODE-TBL-EXIT.
EXIT.

```

A079-READ-STLCODE.
MOVE 'FETCHING FROM T010' TO STEP-DENOTER.
EXEC SQL FETCH T010
INTO

```

```

:MS-SETTLE-CODE,
:MS-STATUS,
:MS-SETTLE-METH-IND

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001356	11/14/90
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001405	05/25/91

LISTING OF MODULE PDB00010

```

END-EXEC.
IF SQLCODE EQUAL 100
  MOVE 'Y' TO ALL-SILCODE-PROCESSED-SW.
A079-READ-SILCODE-EXIT.
EXIT.

*****
M THE FOLLOWING MODULE IS THE MAIN INTERNAL DRIVER FOR THIS
M PROGRAM.
M
*****

A100-MAIN.
  PERFORM UNTIL EOF
    MOVE ZERO TO WS-COMMIT-COUNTER
    PERFORM A125-T002-CONS-PAY-FETCH
      THRU A125-T002-CONS-PAY-FETCH-EXIT
    UNTIL EOF
  END-PERFORM.

  IF WS-TOTAL-ROLLOVER-LINES > 0
    AND NOT = 999
    PERFORM C400-TOTAL-BREAK
      THRU C400-TOTAL-BREAK-EXIT.
  IF WS-TOTAL-ERROR-LINES > 0
    AND NOT = 999
    PERFORM D400-TOTAL-BREAK
      THRU D400-TOTAL-BREAK-EXIT.
  PERFORM I100-CREDIT-OFFSETS
    THRU I100-CREDIT-OFFSETS-EXIT.
  PERFORM J200-WRITE-GRAND-SUMMARY
    THRU J200-WRITE-GRAND-SUMMARY-EXIT.

*****
THE FOLLOWING WILL CREATE A GRAND TOTAL LINE ON THE DETAIL
DRAFT REPORT.
*****
MOVE TFR-RMT-TOT-ITEMS TO GMD-TOT-ROL-ITEMS.
MOVE TFR-RMT-TOT-DOLLARS TO GMD-TOT-ROL-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE GMD-TOT-ROL-DETAIL TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM C900-WRITE-ROLL-LINE
  THRU C900-WRITE-ROLL-LINE-EXIT.

*****
THE FOLLOWING WILL CREATE A GRAND TOTAL ERROR LINE ON THE
DETAIL DRAFT REPORT.
*****
MOVE WS-GMD-TOT-ERR-ITEMS TO GMD-TOT-ERR-ITEMS.
MOVE WS-GMD-TOT-ERR-DOLLARS TO GMD-TOT-ERR-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.

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LISTING OF MODULE PDB00010

MOVE END-TOT-ERR-DETAIL TO ROLLOVER-REPORT-LINE.

MOVE '0' TO CC-LINE

MOVE 2 TO ADVANCE-AMOUNT.

PERFORM C900-WRITE-ROLL-LINE

THRU C900-WRITE-ROLL-LINE-EXIT.

A100-MAIN-EXIT.

EXIT.

A125-T002-CONS-PAY-FETCH.

MOVE 'FETCH FROM T002 IN PARAGRAPH A125.

TO STEP-DENOTER.

EXEC SQL FETCH T002 INTO

:CP-SSN,

:CP-CHK-PHONE,

:CP-CHK-CR-PHONE,

:CP-MRCH-PHONE,

:CP-MRCH-CR-PHONE,

:CP-MRCH-NAME,

:CP-MRCH-AMT,

:CP-MRCH-PAY-DATE,

:CP-PAY-TYPE,

:CP-MBR-REMAIN,

:CP-STATUS,

:CP-ACCT-MBR,

:CP-PAY-FREQ,

:CP-CING-DATE,

:CP-CING-AMT,

:CP-LAST-TRANS-DATE,

:CP-PRENOTE-DATE,

:CP-PRENOTE-RESET,

:CP-ACCT-SCHEME,

:CP-CAT-MBR,

:CP-MNEMONIC

END-EXEC.

IF SQLCODE = 100

MOVE 'Y' TO INPUT-EOF-SW

GO TO A125-T002-CONS-PAY-FETCH-EXIT.

PERFORM B100-PROC-REC THRU B100-PROC-REC-EXIT.

ADD 1 TO WS-COMMIT-COUNTER.

A125-T002-CONS-PAY-FETCH-EXIT.

EXIT.

 * THE FOLLOWING MODULE IS THE MAIN INTERNAL DRIVER FOR THIS *
 * PROGRAM. *

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LISTING OF MODULE FBB00010

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B100-PROC-REC.
  MOVE 'N' TO IS-RECORD-IN-ERROR.
  IF WS-PREVIOUS-SSN NOT = CP-SSN
    IF WS-COMMIT-COUNTER >= PC-COMMIT-INTERVAL
      MOVE 'Y' TO PC-RESTART-NODE
      MOVE WS-LAST-COMMIT-COUNT TO YFR-PAY-TBL-COMMIT
      ADD WS-COMMIT-COUNT TO WS-LAST-COMMIT-COUNT
      MOVE WS-TOTALS TO PC-LAST-COMMIT-KEY
      PERFORM 9000-COMMIT-WORK THRU
        9000-EXIT
      MOVE ZERO TO WS-COMMIT-COUNTER
      GO TO B100-PROC-REC-EXIT
    END-IF
  MOVE 'N' TO IS-CONSUMER-IN-ERROR
  MOVE CP-SSN TO WS-PREVIOUS-SSN
  PERFORM E100-GET-CONSUMER-INFO
  THRU E100-GET-CONSUMER-INFO-EXIT.

  PERFORM E200-GET-MERCHANT-INFO
  THRU E200-GET-MERCHANT-INFO-EXIT.
  PERFORM E300-CHECK-PRENOTE
  THRU E300-CHECK-PRENOTE-EXIT.

  IF RECORD-IN-ERROR
    OR
    CONSUMER-IN-ERROR
    GO TO B100-PROC-REC-EXIT.

  PERFORM F100-ROLLOVER-ROUTINE
  THRU F100-ROLLOVER-ROUTINE-EXIT.
  PERFORM G100-TRANHOLD-RECORD
  THRU G100-TRANHOLD-RECORD-EXIT.

  IF PAY-BY-PHONE
    PERFORM K100-DRFTIITEN-RECORD
    THRU K100-DRFTIITEN-RECORD-EXIT.

  PERFORM H100-UPDATE-TABLES
  THRU H100-UPDATE-TABLES-EXIT.

  IF CONS-RO-DETAIL-NOT-WRITTEN
    PERFORM C200-CONSUMER-ROLL-LINE
    THRU C200-CONSUMER-ROLL-LINE-EXIT.
  PERFORM C300-MERCHANT-ROLL-LINE
  THRU C300-MERCHANT-ROLL-LINE-EXIT.

B100-PROC-REC-EXIT.
EXIT.

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*****
M THE FOLLOWING MODULES PRODUCE THE ROLLOVER REPORT FOR THIS M
M PROGRAM.
*****

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C100-ROLL-HEADINGS.

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MOVE 'N' TO ARE-CONS-RO-HEADINGS-WRITTEN.
MOVE 'N' TO ARE-MRCH-RO-HEADINGS-WRITTEN.
MOVE 'N' TO ARE-CONS-RO-DETAIL-WRITTEN.
MOVE 'N' TO ARE-MRCH-RO-DETAIL-WRITTEN.
MOVE ZEROS TO WS-TOTAL-ROLLOVER-LINES.
ADD 1 TO WS-ROLLOVER-PAGE-COUNT.
MOVE WS-ROLLOVER-PAGE-COUNT TO RO-PAGE-NUMBER.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE RO-HEADING-1 TO ROLLOVER-REPORT-LINE.
PERFORM C800-WRITE-ROLL-PAGE
    THRU C800-WRITE-ROLL-PAGE-EXIT.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE ' ' TO CC-LINE
MOVE 1 TO ADVANCE-AMOUNT.
MOVE RO-HEADING-2 TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
    THRU C900-WRITE-ROLL-LINE-EXIT.
C100-ROLL-HEADINGS-EXIT.
EXIT.

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C200-CONSUMER-ROLL-LINE.

```

IF FIRST-ROLL-RECORD
    MOVE 'N' TO IS-FIRST-ROLL-RECORD
    PERFORM C100-ROLL-HEADINGS
        THRU C100-ROLL-HEADINGS
    ELSE
        IF WS-TOTAL-ROLLOVER-LINES > 45
            AND
            CP-SSN NOT = WS-PREVIOUS-ROLL-SSN
            PERFORM C400-TOTAL-BREAK
                THRU C400-TOTAL-BREAK-EXIT
            PERFORM C100-ROLL-HEADINGS
                THRU C100-ROLL-HEADINGS-EXIT
        ELSE
            IF WS-TOTAL-ROLLOVER-LINES > 45
                AND
                CP-SSN = WS-PREVIOUS-ROLL-SSN
            PERFORM C100-ROLL-HEADINGS
                THRU C100-ROLL-HEADINGS-EXIT
            ELSE
                IF CP-SSN NOT = WS-PREVIOUS-ROLL-SSN
                    PERFORM C400-TOTAL-BREAK

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LISTING OF MODULE P0000010

THRU C400-TOTAL-BREAK-EXIT.

MOVE CP-SSN TO WS-PREVIOUS-ROLL-SSN.
IF CONS-RO-HEADING-NOT-WRITTEN
PERFORM C210-CONSUMER-HEADINGS
THRU C210-CONSUMER-HEADINGS-EXIT.
PERFORM C220-CONSUMER-DETAIL
THRU C220-CONSUMER-DETAIL-EXIT.
C200-CONSUMER-ROLL-LINE-EXIT.
EXIT.

C210-CONSUMER-HEADINGS.

MOVE 'Y' TO ARE-CONS-RO-HEADINGS-WRITTEN.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE '-' TO CC-LINE
MOVE 3 TO ADVANCE-AMOUNT.
MOVE RO-HEADING-3 TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
C210-CONSUMER-HEADINGS-EXIT.
EXIT.

C220-CONSUMER-DETAIL.

MOVE 'Y' TO ARE-CONS-RO-DETAIL-WRITTEN.

MOVE CP-SSN TO WS-77-SSN.
MOVE WS-77-SSN TO WS-SSN-IN.
MOVE WS-SSN-1ST3-IN TO WS-SSN-1ST3-OUT.
MOVE WS-SSN-2ND2-IN TO WS-SSN-2ND2-OUT.
MOVE WS-SSN-LAST4-IN TO WS-SSN-LAST4-OUT.
MOVE WS-SSN-OUT TO RO-SSN.
MOVE CF-LAST-NAME TO RO-LAST-NAME.
MOVE CF-FIRST-NAME TO RO-FIRST-NAME.
MOVE CF-MID-INIT TO RO-MI.

MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE ' ' TO CC-LINE
MOVE 1 TO ADVANCE-AMOUNT.
MOVE RO-DETAIL-1 TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
C220-CONSUMER-DETAIL-EXIT.
EXIT.

C300-MERCHANT-ROLL-LINE.

IF WS-TOTAL-ROLLOVER-LINES > 55
PERFORM C100-ROLL-HEADINGS
THRU C100-ROLL-HEADINGS-EXIT.

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IF CONS-RO-HEADINGS-NOT-WRITTEN
  PERFORM C210-CONSUMER-HEADINGS
    THRU C210-CONSUMER-HEADINGS-EXIT.
IF CONS-RO-DETAIL-NOT-WRITTEN
  PERFORM C220-CONSUMER-DETAIL
    THRU C220-CONSUMER-DETAIL-EXIT.
IF MRCH-RO-HEADINGS-NOT-WRITTEN
  PERFORM C310-MERCHANT-HEADINGS
    THRU C310-MERCHANT-DETAIL
  PERFORM C320-MERCHANT-DETAIL-EXIT.
  THRU C320-MERCHANT-DETAIL-EXIT.
  C300-MERCHANT-ROLL-LINE-EXIT.
  EXIT.

C310-MERCHANT-HEADINGS.
  MOVE 'Y' TO ARE-MRCH-RO-HEADINGS-WRITTEN.
  MOVE SPACES TO ROLLOVER-REPORT-LINE.
  MOVE '0' TO CC-LINE
  MOVE 2 TO ADVANCE-AMOUNT.
  MOVE RO-HEADINGS-4 TO ROLLOVER-REPORT-LINE.
  PERFORM C900-WRITE-ROLL-LINE
    THRU C900-WRITE-ROLL-LINE-EXIT.
  C310-MERCHANT-HEADINGS-EXIT.
  EXIT.

C320-MERCHANT-DETAIL.
  MOVE CP-MRCH-PHONE TO WS-77-PHONE.
  MOVE WS-77-PHONE TO WS-PHONE-NUMBER-IN
  MOVE WS-AREA-CODE-IN TO WS-AREA-CODE-OUT
  MOVE WS-PHONE-EXCHG-IN TO WS-PHONE-EXCHG-OUT
  MOVE WS-PHONE-EXT-IN TO WS-PHONE-EXT-OUT
  MOVE WS-PHONE-NUMBER-OUT TO RO-PHONE-NUMBER
  MOVE CP-MRCH-CR-PHONE TO RO-CRP
  MOVE CP-MRCH-NAME TO RO-MERCHANT
  MOVE CP-ACCT-NBR TO RO-ACCOUNT-NUMBER

  MOVE SPACES TO ROLLOVER-REPORT-LINE.
  MOVE ' ' TO CC-LINE
  MOVE 1 TO ADVANCE-AMOUNT.
  MOVE RO-DETAIL-2 TO ROLLOVER-REPORT-LINE.
  PERFORM C900-WRITE-ROLL-LINE
    THRU C900-WRITE-ROLL-LINE-EXIT.
  ADD WS-77-HOLD-PAY-AMOUNT TO WS-TOT-RO-DOLLARS.
  ADD 1 TO WS-TOT-RO-ITEMS.
  C320-MERCHANT-DETAIL-EXIT.
  EXIT.

C400-TOTAL-BREAK.

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MOVE WS-TOT-RO-ITEMS TO TOT-ROL-ITEMS.
MOVE WS-TOT-RO-DOLLARS TO TOT-ROL-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.

MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
MOVE TOT-ROL-DETAIL TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE

THRU C900-WRITE-ROLL-LINE-EXIT.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE

MOVE 2 TO ADVANCE-AMOUNT.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.

MOVE ZEROS TO WS-TOT-RO-ITEMS
WS-TOT-RO-DOLLARS.
-TOTAL-BREAK-EXIT.

EXIT.

-WRITE-ROLL-PAGE.
 MOVE 0 TO WS-TOTAL-ROLLOVER-LINES.
 MOVE '1' TO CC-LINE.
 MOVE ROLLOVER-REPORT-LINE TO JUNK-LINE.

MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE
ADD 1 TO WS-TOTAL-ROLLOVER-LINES.
WRITE-ROLL-BACK-EXIT

WRITE-ROLL-PAGE-EXIT.
EXIT.

WRITE-ROLL-LINE.
MOVE ROLLOVER-REPORT-LINE TO JUNK-LINE.
MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ROLLOVER REPORT LINE
WRITE ROLLOVER REPORT LINE

WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE
AND ADVANCE-AMOUNT TO WS-TOTAL-ROLLOVER-LINES
-WRITE-ROLL-LINE-EXIT.
EXIT.

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THE FOLLOWING MODULES PRODUCE THE ERROR REPORT
GRAM.

ERROR-HEADINGS.
MOVE 'N' TO ARE-CONS-ERR-HEADINGS-WRITTEN.
MOVE 'N' TO ARE-MRCH-ERR-HEADINGS-WRITTEN.

MOVE 'M' TO ARE-CONS-ERR-DETAIL-WRITTEN.
MOVE 'N' TO ARE-MRCH-ERR-DETAIL-WRITTEN.
MOVE ZEROS TO MS-TOTAL-ERROR-LINES.


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ELSE
  IF WS-TOTAL-ERROR-LINES > 45
    AND
    CP-SSN = WS-PREVIOUS-ERROR-SSN
    PERFORM D100-ERROR-HEADINGS
    THRU D100-ERROR-HEADINGS-EXIT
  ELSE
    IF CP-SSN NOT = WS-PREVIOUS-ERROR-SSN
      PERFORM D400-TOTAL-BREAK
      THRU D400-TOTAL-BREAK-EXIT.

    MOVE CP-SSN TO WS-PREVIOUS-ERROR-SSN.
    IF CONS-ERR-HEADING-NOT-WRITTEN
      PERFORM D210-CONSUMER-HEADINGS
      THRU D210-CONSUMER-HEADINGS-EXIT.
    IF CONS-ERR-DETAIL-NOT-WRITTEN
      PERFORM D220-CONSUMER-DETAIL
      THRU D220-CONSUMER-DETAIL-EXIT.

    * MOVE SPACES TO ERROR-REPORT-LINE.
    * MOVE ' ' TO CC-LINE.
    * MOVE 1 TO ADVANCE-AMOUNT.
    * MOVE WS-ERR-MESSAGE-LINE TO ERROR-REPORT-LINE.
    * PERFORM D900-WRITE-ERROR-LINE
    * THRU D900-WRITE-ERROR-LINE-EXIT.

    MOVE SPACES TO WS-ERR-MESSAGE.
    MOVE SPACE TO WS-ERR-STATUS.

    D200-CONSUMER-ERROR-LINE-EXIT.
    EXIT.

  D210-CONSUMER-HEADINGS.
  MOVE 'Y' TO ARE-CONS-ERR-HEADINGS-WRITTEN.
  MOVE SPACES TO ERROR-REPORT-LINE.
  MOVE '-' TO CC-LINE
  MOVE 3 TO ADVANCE-AMOUNT.
  MOVE ERR-HEADING-3 TO ERROR-REPORT-LINE.
  PERFORM D900-WRITE-ERROR-LINE
  THRU D900-WRITE-ERROR-LINE-EXIT.
  D210-CONSUMER-HEADINGS-EXIT.
  EXIT.

  D220-CONSUMER-DETAIL.
  MOVE 'Y' TO ARE-CONS-ERR-DETAIL-WRITTEN.

  MOVE CP-SSN TO WS-77-SSN.
  MOVE WS-77-SSN TO WS-SSN-IN.
  MOVE WS-SSN-1ST3-IN TO WS-SSN-1ST3-OUT.

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MOVE WS-SSN-2ND2-IN TO WS-SSN-2ND2-OUT.
MOVE WS-SSN-LAST4-IN TO WS-SSN-LAST4-OUT.
MOVE WS-SSN-OUT TO ERR-SSN.
MOVE CF-LAST-NAME TO ERR-LAST-NAME.
MOVE CF-FIRST-NAME TO ERR-FIRST-NAME.
MOVE CF-MID-INIT TO ERR-MI.

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MOVE WS-ERR-MESSAGE TO ERR-MESSAGE.

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MOVE SPACES TO ERROR-REPORT-LINE.
MOVE ' ' TO CC-LINE
MOVE 1 TO ADVANCE-AMOUNT.
MOVE ERR-DETAIL-1 TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE
    THRU D900-WRITE-ERROR-LINE-EXIT.
D220-CONSUMER-DETAIL-EXIT.
EXIT.

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D300-MERCHANT-ERROR-LINE.
IF FIRST-ERROR-RECORD
    MOVE 'N' TO IS-THIS-FIRST-ERROR-RECORD
    PERFORM D100-ERROR-HEADINGS
        THRU D100-ERROR-HEADINGS
    ELSE
        IF WS-TOTAL-ERROR-LINES > 45
            AND
            CP-SSN NOT = WS-PREVIOUS-ERROR-SSN
            AND
            MRCN-ERR-DETAIL-NOT-WRITTEN
            PERFORM D400-TOTAL-BREAK
                THRU D400-TOTAL-BREAK-EXIT
            PERFORM D100-ERROR-HEADINGS
                THRU D100-ERROR-HEADINGS-EXIT
        ELSE
            IF WS-TOTAL-ERROR-LINES > 45
                AND
                CP-SSN = WS-PREVIOUS-ERROR-SSN
                AND
                MRCN-ERR-DETAIL-NOT-WRITTEN
                PERFORM D100-ERROR-HEADINGS
                    THRU D100-ERROR-HEADINGS-EXIT
            ELSE
                IF CP-SSN NOT = WS-PREVIOUS-ERROR-SSN
                    PERFORM D400-TOTAL-BREAK
                        THRU D400-TOTAL-BREAK-EXIT.
                IF WS-TOTAL-ERROR-LINES > 55
                    PERFORM D100-ERROR-HEADINGS
                        THRU D100-ERROR-HEADINGS-EXIT.
                IF CONS-ERR-HEADING-NOT-WRITTEN

```

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001865 04/14/91
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001867 04/14/91
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03/13/91
03/13/91

03/13/91
03/13/91

LISTING OF MODULE PDB00010

```

IF CP-PAY-TYPE = 'F' OR CP-PAY-TYPE = 'V'
  MOVE CP-PAY-TYPE TO ERR-PAYMENT-TYPE-1
  MOVE SPACES TO ERR-PAYMENT-TYPE-2
ELSE
  MOVE 'V' TO ERR-PAYMENT-TYPE-1
  MOVE CP-PAY-TYPE TO ERR-PAYMENT-TYPE-2.

MOVE CP-MRCH-PAY-DATE TO WS-77-DATE.
MOVE WS-77-DATE TO WS-DATE-YMD
MOVE WS-Y-YMD TO WS-Y-MDY-SLASHES
MOVE WS-M-YMD TO WS-M-MDY-SLASHES
MOVE WS-D-YMD TO WS-D-MDY-SLASHES
MOVE WS-DATE-MDY-WITH-SLASHES TO ERR-PAY-DATE.

MOVE SPACES TO ERROR-REPORT-LINE.
MOVE ' ' TO CC-LINE
MOVE 1 TO ADVANCE-AMOUNT.
MOVE ERR-DETAIL-2 TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE
THRU D900-WRITE-ERROR-LINE-EXIT.
ADD CP-MRCH-ANT TO WS-TOT-ERR-DOLLARS.
ADD 1 TO WS-TOT-ERR-ITEMS.
D320-MERCHANT-DETAIL-EXIT.
EXIT.

D400-TOTAL-BREAK.
ADD WS-TOT-ERR-DOLLARS TO WS-CMD-TOT-ERR-DOLLARS.
ADD WS-TOT-ERR-ITEMS TO WS-CMD-TOT-ERR-ITEMS.
MOVE WS-TOT-ERR-ITEMS TO TOT-ERR-ITEMS.
MOVE WS-TOT-ERR-DOLLARS TO TOT-ERR-DOLLARS.
MOVE SPACES TO ERROR-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
MOVE TOT-ERR-DETAIL TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE
THRU D900-WRITE-ERROR-LINE-EXIT.
MOVE SPACES TO ERROR-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM D900-WRITE-ERROR-LINE
THRU D900-WRITE-ERROR-LINE-EXIT.
MOVE ZEROS TO WS-TOT-ERR-ITEMS
WS-TOT-ERR-DOLLARS.
D400-TOTAL-BREAK-EXIT.
EXIT.

D000-WRITE-ERROR-PAGE.
MOVE 0 TO WS-TOTAL-ERROR-LINES.
MOVE '1' TO CC-LINE.

```

001967	04/14/91
001968	04/14/91
001969	04/14/91
001970	04/14/91
001971	04/14/91
001972	04/14/91
001973	04/14/91
001974	04/14/91
001975	04/14/91
001976	
001977	
001978	
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001981	
001982	03/13/91
001983	
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001996	
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001999	03/13/91
002000	
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002015	
002016	
002017	03/13/91

LISTING OF MODULE PDB00010

MOVE ERROR-REPORT-LINE TO JUNK-LINE.
 MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
 WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
 ADD 1 TO WS-TOTAL-ERROR-LINES.
 D000-WRITE-ERROR-PAGE-EXIT.
 EXIT.

D900-WRITE-ERROR-LINE.
 MOVE ERROR-REPORT-LINE TO JUNK-LINE.
 MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
 WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
 ADD ADVANCE-AMOUNT TO WS-TOTAL-ERROR-LINES.
 D900-WRITE-ERROR-LINE-EXIT.
 EXIT.

 * THE FOLLOWING MODULES EXTRACT INFORMATION FROM THESE TWO FILE *
 * T001_CONSUMER_FILE AND P8_MERCHANT_MASTER.FILE *

E100-GET-CONSUMER-INFO.
 MOVE 'SELECT FROM T001 IN PARAGRAPH E100.
 MOVE TO STEP-DENOTER.
 MOVE 'N' TO ARE-CONS-ERR-DETAIL-WRITTEN.
 MOVE 'N' TO ARE-CONS-RO-DETAIL-WRITTEN.
 EXEC SQL SELECT

CF_SSN,
 CF_CHK_ID,
 CF_LAST_NAME,
 CF_FIRST_NAME,
 CF_MID_INIT,
 CF_ADDRESS1,
 CF_ADDRESS2,
 CF_CITY,
 CF_STATE,
 CF_ZIP,
 CF_ZIP_4,
 CF_ROUTE_TRANS,
 CF_ACCI_NBR,
 CF_PAPR_RT_TRANS,
 CF_PAPR_ACCI_NBR,
 CF_CCARD_NBR,
 CF_CCARD_EXP DATE,
 CF_MAIDEN_NAME,
 CF_DECLINE_STATUS,
 CF_STATUS,
 CF_VIP_STATUS,
 CF_VIP_STATUS2,
 CF_LAST_TRANS_DATE,

002018	03/13/91
002019	03/13/91
002020	10/31/90
002021	
002022	
002023	
002024	
002025	
002026	
002027	03/13/91
002028	03/13/91
002029	10/31/90
002030	
002031	
002032	
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002058	
002059	04/20/91
002060	04/20/91
002061	
002062	
002063	
002064	
002065	
002066	
002067	02/10/91
002068	

LISTING OF MODULE PBB00010

CF_CREDIT_LIMIT,
CF_CHECK_LIMIT,
CF_CF_MTH_ITEMS,
CF_CF_MTH_BAL,
CF_CF_YTD_ITEMS,
CF_CF_YTD_BAL,
CF_TOT_MTH_ITEMS,
CF_TOT_MTH_BAL,
CF_TOT_YTD_ITEMS,
CF_TOT_YTD_BAL,
CF_FREE_FLAG,
CF_NBR_FREE,
CF_FEE_MATRIX,
CF_PRENOTE_DATE,
CF_EFT_CODE,
CF_BANK_NAME,
CF_CHECK_SAVE,
CF_RESET_PRENOTE
INTO
:CF-SSN,
:CF-CMCK-ID,
:CF-LAST-NAME,
:CF-FIRST-NAME,
:CF-MID-INIT,
:CF-ADDRESS1,
:CF-ADDRESS2,
:CF-CITY,
:CF-STATE,
:CF-ZIP,
:CF-ZIP-4,
:CF-ROUTE-TRANS,
:CF-ACCT-NBR,
:CF-PAPR-RT-TRANS,
:CF-PAPR-ACCT-NBR,
:CF-CCARD-NBR,
:CF-CCARD-EXP-DATE,
:CF-MAIDEN-NAME,
:CF-DECLINE-STATUS,
:CF-STATUS,
:CF-VIP-STATUS,
:CF-VIP-STATUS2,
:CF-LAST-TRANS-DATE,
:CF-CREDIT-LIMIT,
:CF-CHECK-LIMIT,
:CF-CF-MTH-ITEMS,
:CF-CF-MTH-BAL,
:CF-CF-YTD-ITEMS,
:CF-CF-YTD-BAL,
:CF-TOT-MTH-ITEMS,
:CF-TOT-MTH-BAL,
:CF-TOT-YTD-ITEMS,

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002119

04/20/91
04/20/91

02/10/91

```

:CF-TOT-YTD-BAL,
:CF-FREE-FLAG,
:CF-MBR-FREE,
:CF-FEE-MATRIX,
:CF-PRENOTE-DATE,
:CF-EFT-CODE,
:CF-BANK-NAME,
:CF-CHECK-SAVE,
:CF-RESET-PRENOTE
FROM T001_CONSUMER_FILE
WHERE CF_SSN = :CP_SSN
END-EXEC.

```

IF SQLCODE = 100

```

MOVE 'Y' TO IS-RECORD-IN-ERROR
MOVE 'Y' TO IS-CONSUMER-IN-ERROR
MOVE 'NOT ON CONSUMER FILE' TO ERR-MESSAGE-2,
      WS-ERR-MESSAGE
MOVE ALL 'M' TO CF-LAST-NAME, ERR-LAST-NAME
      CF-FIRST-NAME, ERR-FIRST-NAME
      CF-MID-INIT, ERR-MI
PERFORM D200-CONSUMER-ERROR-LINE
      THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

04/14/91
04/14/91

IF CF-STATUS = 'A'

```

NEXT SENTENCE
ELSE

```

```

MOVE 'Y'          TO IS-RECORD-IN-ERROR
MOVE 'Y'          TO IS-CONSUMER-IN-ERROR
PERFORM D200-CONSUMER-ERROR-LINE
      THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

04/14/91
04/14/91

IF CF-EFT-CODE = 'E' OR 'P' OR 'B'

```

NEXT SENTENCE
ELSE

```

```

MOVE 'Y'          TO IS-RECORD-IN-ERROR
MOVE 'Y'          TO IS-CONSUMER-IN-ERROR
MOVE 'EFT CODE NOT E OR P OR B' TO ERR-MESSAGE-2,
      WS-ERR-MESSAGE
PERFORM D200-CONSUMER-ERROR-LINE
      THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

04/20/91

04/14/91
04/14/91
04/20/91
04/14/91

IF CP-PAY-TYPE = 'F'

```

IF CP-PAY-FREQ = 'A' OR 'B' OR 'M' OR 'Q' OR 'S' OR 'T'
      OR 'W'

```

```

NEXT SENTENCE
ELSE

```

```

MOVE 'Y' TO IS-RECORD-IN-ERROR
MOVE 'Y' TO IS-CONSUMER-IN-ERROR
MOVE 'PAY FREQ INVALID' TO ERR-MESSAGE-2,
      WS-ERR-MESSAGE

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04/14/91
04/14/91

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002170

PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT.

IF CF-VIP-STATUS = 'N' AND
CF-VIP-STATUS2 = '14'
MOVE 'Y' TO PAY-BY-PHONE-SW
ELSE
MOVE 'N' TO PAY-BY-PHONE-SW.

E100-GET-CONSUMER-INFO-EXIT.
EXIT.

E200-GET-MERCHANT-INFO.
MOVE 'E200-GET-MERCHANT-INFO' TO STEP-DENOTER.
MOVE 'N' TO ARE-MRCH-ERR-DETAIL-WRITTEN.
MOVE CP-MRCH-PHONE TO WS-77-PHONE.
MOVE WS-77-PHONE TO MMR-PHONE.
MOVE CP-MRCH-CR-PHONE TO WS-77-CR-PHONE.
MOVE WS-77-CR-PHONE TO MMR-CR-PHONE.

READ MERCHANT-FILE.

IF MMR-STAT = '00'
NEXT SENTENCE
ELSE

MOVE 'Y' TO IS-RECORD-IN-ERROR
IF CONS-ERR-DETAIL-NOT-WRITTEN
MOVE ' ' TO WS-ERR-MESSAGE

PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT
MOVE 'NOT ON MERCHANT FILE' TO ERR-MESSAGE-2,
WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE
THRU D300-MERCHANT-ERROR-LINE-EXIT

ELSE

MOVE 'NOT ON MERCHANT FILE' TO ERR-MESSAGE-2,
WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE
THRU D300-MERCHANT-ERROR-LINE-EXIT.

IF CONSUMER-IN-ERROR

MOVE 'Y'
TO IS-RECORD-IN-ERROR
MOVE 'CONSUMER RECORD IN ERROR' TO ERR-MESSAGE-2,
WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE
THRU D300-MERCHANT-ERROR-LINE-EXIT

MOVE 'CANNOT PROCESS THIS PAYMENT' TO ERR-MESSAGE-2,
WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE
THRU D300-MERCHANT-ERROR-LINE-EXIT.

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002172	
002173	
002174	02/10/91
002175	02/10/91
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002182	
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002192	
002193	
002194	03/13/91
002195	
002196	
002197	
002198	
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002200	
002201	
002202	04/14/91
002203	04/14/91
002204	
002205	
002206	
002207	
002208	04/14/91
002209	04/14/91
002210	
002211	
002212	
002213	04/14/91
002214	04/14/91
002215	04/14/91
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002218	04/14/91
002219	04/14/91
002220	
002221	

LISTING OF MODULE PDB0010

```

MOVE 'M' TO STLCODE-IN-TABLE-SW.
IF MMR-STAT NOT = '00'
  NEXT SENTENCE
ELSE
  IF MMR-ROUTE-SETTLE EQUAL '01'
    OR MMR-ROUTE-SETTLE EQUAL '02'
    OR MMR-ROUTE-SETTLE EQUAL '03'
    OR MMR-ROUTE-SETTLE EQUAL '10'
    OR MMR-ROUTE-SETTLE EQUAL '11'
    OR MMR-ROUTE-SETTLE EQUAL '12'
    NEXT SENTENCE
  ELSE
    PERFORM F110-LOCATE-STLCODE-INDEX
    THRU F110-LOCATE-STLCODE-INDEX-EXIT
    IF STLCODE-IN-TABLE
      NEXT SENTENCE
    ELSE
      MOVE '01' TO MMR-ROUTE-SETTLE.
  IF MMR-PRENOTE-RESET > SQL-DRAFT-DATE
    IF MMR-ROUTE-SETTLE = '10'
      MOVE '01' TO MMR-ROUTE-SETTLE
    ELSE
      IF MMR-ROUTE-SETTLE = '11'
        MOVE '02' TO MMR-ROUTE-SETTLE
      ELSE
        IF MMR-ROUTE-SETTLE = '12'
          MOVE '03' TO MMR-ROUTE-SETTLE.
E200-GET-MERCHANT-INFO-EXIT.
EXIT.

E300-CHECK-PRENOTE.

  IF CP-PRENOTE-RESET > SQL-DRAFT-DATE OR
  CP-ACCT-SCHEME NOT = 'Y'
    IF MMR-ROUTE-SETTLE = '01'
      NEXT SENTENCE
    ELSE
      IF MMR-ROUTE-SETTLE = '02'
        NEXT SENTENCE
      ELSE
        IF MMR-ROUTE-SETTLE = '03'
          NEXT SENTENCE
        ELSE
          IF MMR-ROUTE-SETTLE = '10'
            MOVE '01' TO MMR-ROUTE-SETTLE
          ELSE
            IF MMR-ROUTE-SETTLE = '11'
              MOVE '02' TO MMR-ROUTE-SETTLE

```

```

ELSE
IF MMR-ROUTE-SETTLE = '12'
MOVE '03' TO MMR-ROUTE-SETTLE
ELSE
MOVE '01' TO MMR-ROUTE-SETTLE.

```

```

E300-CHECK-PRENOTE-EXIT.
EXIT.

```

```

*****
* THE FOLLOWING MODULE CHECKS FOR PAYMENT ROLLOVER AND MOVES *
* THOSE VALUES TO PROPER FIELDS IN TABLE T002_CONSUMER_PAY *
*****

```

F100-ROLLOVER-ROUTINE.

```

* MOVE CURRENT VALUES FOR THESE FIELDS TO THE OUTPUT REPORT
* BEFORE THEY ARE ROLLED FORWARD.

```

```

MOVE CP-MRCH-AMT TO WS-77-AMOUNT.
MOVE WS-77-AMOUNT TO WS-77-HOLD-PAY-AMOUNT.
MOVE WS-77-AMOUNT TO RO-AMOUNT.
MOVE CP-MRCH-PAY-DATE TO WS-77-DATE.
MOVE WS-77-DATE TO WS-77-HOLD-PAY-DATE.
MOVE WS-77-DATE TO WS-DATE-YMD.
MOVE WS-M-YMD TO WS-M-MDY-SLASHES
MOVE WS-D-YMD TO WS-D-MDY-SLASHES
MOVE WS-Y-YMD TO WS-Y-MDY-SLASHES
MOVE WS-DATE-MDY-WITH-SLASHES TO RO-PAY-DATE.

```

```

MOVE ZEROS TO DATE-MDDYYYY
MOVE ZEROS TO DATE-YYYYDDD
MOVE ZEROS TO DATE-RED-1
MOVE ZEROS TO DATE-RED-2
MOVE ZEROS TO DATE-RED-3
MOVE ZEROS TO DATE-MDDYY

```

```

IF PAY-BY-PHONE
MOVE CP-MRCH-AMT TO DRAFT-LAST-AMT
MOVE CP-MRCH-PAY-DATE TO DRAFT-LAST-DATE.

```

```

***** ROLL PAYMENT DATE FORWARD.
IF (CP-NBR-REMAIN > 0

```

```

OR
CP-NBR-REMAIN = -1)

```

```

AND
CP-PAY-TYPE = 'F'
MOVE CP-MRCH-PAY-DATE TO WS-77-DATE
MOVE WS-77-DATE TO WS-DATE-YMD
MOVE WS-M-YMD TO HOLD-M-FFMDDYY
MOVE WS-D-YMD TO HOLD-D-FFMDDYY

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002323

```

MOVE WS-Y-YND TO HOLD-Y-FFMDDYY
MOVE 00 TO HOLD-F-FFMDDYY
MOVE WS-HOLD-DATE-FFMDDYY TO DATE-MDDVVVVY
PERFORM GREGORIAN-TO-JULIAN THRU
  GREGORIAN-TO-JULIAN-EXIT
PERFORM F120-GET-ROLL-VALUES THRU
  F120-GET-ROLL-VALUES-EXIT
PERFORM FUTURE-DATE THRU
  FUTURE-DATE-EXIT
PERFORM JULIAN-TO-GREGORIAN THRU
  JULIAN-TO-GREGORIAN-EXIT
PERFORM F115-CHECK-MONTH-END THRU
  F115-CHECK-MONTH-END-EXIT
MOVE DATE-MM TO DATE-M
MOVE DATE-DD TO DATE-D
MOVE DATE-YY TO WS-YEAR-WORK
MOVE WS-YY-LAST2 TO DATE-Y
MOVE DATE-MDY TO WS-DATE-MDY
MOVE WS-M-MDY TO WS-M-YND
MOVE WS-D-MDY TO WS-D-YND
MOVE WS-Y-MDY TO WS-Y-YND
MOVE WS-DATE-YND TO WS-77-DATE
MOVE WS-77-DATE TO CP-MRCH-PAY-DATE
ELSE
  MOVE ZEROS TO CP-MRCH-PAY-DATE
  MOVE ZEROS TO CP-MRCH-AMT
  IF CP-CHG-DATE = 29 OR 30 OR 31
    MOVE ZEROS TO CP-CHG-DATE
  END-IF
END-IF

IF CP-NBR-REMAIN > 0
  SUBTRACT 1 FROM CP-NBR-REMAIN
  ##### THE FOLLOWING 'IF' WILL CAUSE FIX PAYMENTS TO HAVE THEIR
  ##### PAYMENT DATES AND AMOUNTS SET TO ZERO WHEN THE NUMBER
  ##### OF PAYMENTS REMAINING BECOMES ZERO.
  IF CP-NBR-REMAIN = 0
    AND
    CP-PAY-TYPE = 'F'
    MOVE ZEROS TO CP-MRCH-PAY-DATE
    MOVE ZEROS TO CP-MRCH-AMT
    IF CP-CHG-DATE = 29 OR 30 OR 31
      MOVE ZEROS TO CP-CHG-DATE
    END-IF
  END-IF
END-IF

IF PAY-BY-PHONE AND CP-PAY-TYPE = 'F'
  MOVE CP-MRCH-AMT TO DRAFT-NEW-AMT
  MOVE CP-MRCH-PAY-DATE TO DRAFT-NEW-DATE.

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***** MOVE ROLLOVER VALUES TO DETAIL REPORT.
***** MOVE SPACES TO RO-EXTRA-PAYMENT.

**F100-ROLLOVER-ROUTINE-EXIT.
EXIT.**

IF THE SETTLEMENT CODE IS NOT ONE OF THE HARDCODED ONES,
'01','02','03','10','11','12', THEN LOOK IN THE TABLE
TO FIND IT. IF THE TABLE ENTRY IS FOUND, THEN THE
STLCODE-IN-TABLE WILL BE TRUE AND THE INDEX WILL POINT TO
THE PROPER ENTRY.

NOTE: THE SEARCH LOOKS UNTIL END OF TABLE OR WE HAVE
GONE BEYOND THE SETTLEMENT CODE WE ARE LOOKING FOR.

FILE-LOCATE-STLCODE-INDEX.

**-LOCATE-STLCODE-INDEX.
SET TFR-IDX TO 1.**

UNTIL TFR-IDX GREATER THAN TRANFREE-TDL-ENTRIES
OR TFR-TDL-SC-CODE (TFR-IDX) EQUAL MM-R-ROUTE-SETTLE
OR TFR-TDL-SC-CODE (TFR-IDX) GREATER THAN MM-R-ROUTE-SETTLE
SET TFR-IDX UP BY 1

END-PERFORM.

IF TFR-IDX GREATER THAN TRANFREE-TDL-ENTRIES

MOVE 'N' TO SILCODE-IN-TABLE-SW

ESTJ

IF YFR-IBL-SC-CODE (YFR-IDX) EQUAL HWIR-ROUTE-SETTLE

MOVE 'Y' TO SILCODE-IN-TABLE-SW

EST3

MOVE 'M' TO STLCODE-IN-TABLE-SW.

F110-LOCATE-STLCODE-INDEX-EXIT:

EXIT.

THE FOLLOWING MODALE CHECKS CP-CMO-DATE TO SEE IF A DAY VALUE
HAS BEEN STORED THERE BY POLD010. IF THERE, THE NUMBER IS
THE CUSTOMER'S CHOSEN DRAFT DAY UNCORRUPTED BY ROLLING FROM
MONTH TO MONTH.

F115-CHECK-MONTH-END.

IF CP-PAY-FREQ = 'B' OR 'W'

NO CHANGES FOR WEEKLY TYPE PAYMENTS

GO TO F115-CHECK - MONTH-END-EXIT

END-IF

IF CP-CHG-DATE = 29 OR 30 OR 31

MOVE CP-CHG-DATE TO DATE-DD

MOVE DATE-MMDYYYY TO DATE-EOM

MOVE DATE--M-EDM TO DATE-M

MOVE DATE-D-EOM TO DATE-D

002375 04/14/91

04/14/91

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05/25/91

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06/05/91

```

MOVE DATE-Y-EOM TO DATE-Y
PERFORM END-OF-MONTH THRU
  END-OF-MONTH-EXIT
MOVE DATE-M TO DATE-M-EOM
MOVE DATE-D TO DATE-D-EOM
MOVE DATE-Y TO DATE-Y-EOM
MOVE DATE-EOM TO DATE-WDDYYYY.

```

```

F115-CHECK-MONTH-END-EXIT.
EXIT.

```

```

*****
* THE FOLLOWING MODULE GETS THE CORRECT VALUES TO BE PASSED THE *
* DATE ROUTINES FOR FUTURE DATE CALCULATIONS. *
*****

```

F120-GET-ROLL-VALUES.

```

  IF CP-PAY-FREQ = 'A'
    MOVE 'M' TO DATE-PERIOD
    MOVE 12 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'B'
    MOVE 'D' TO DATE-PERIOD
    MOVE 14 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'N'
    MOVE 'M' TO DATE-PERIOD
    MOVE 1 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'Q'
    MOVE 'M' TO DATE-PERIOD
    MOVE 3 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'S'
    MOVE 'M' TO DATE-PERIOD
    MOVE 6 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'T'
    MOVE 'M' TO DATE-PERIOD
    MOVE 4 TO DATE-FREQ.
  IF CP-PAY-FREQ = 'W'
    MOVE 'D' TO DATE-PERIOD
    MOVE 7 TO DATE-FREQ.
F120-GET-ROLL-VALUES-EXIT.
EXIT.

```

```

*****
* THE FOLLOWING MODULES CREATE THE CREDIT AND DEBITS RECORDS *
* AND LOADS THEM INTO THE TRANHOLD. *
*****

```

```

G100-TRANHOLD-RECORD.
  ADD WS-77-HOLD-PAY-AMOUNT TO CF-TOT-MTH-BAL,
    CF-TOT-YID-BAL,
    TFR-COL-TOT-DOLLARS,

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05/25/91

YFR-RMT-TOT-DOLLARS.
ADD 1 TO CF-TOT-MTH-ITEMS,
CF-TOT-YTD-ITEMS,
YFR-COL-TOT-ITEMS,
YFR-RMT-TOT-ITEMS.

EVALUATE TRUE

WHEN MMR-CREDIT-LIMIT NOT NUMERIC
MOVE 50.01 TO WS-CREDIT-LIMIT
WHEN MMR-CREDIT-LIMIT < 51
MOVE 50.01 TO WS-CREDIT-LIMIT
WHEN OTHER
COMPUTE WS-CREDIT-LIMIT = MMR-CREDIT-LIMIT + .01
END-EVALUATE

*** NOTES FOR THIS SECTION.
*** IF THE CF-STATUS IS A 'P' THEN THIS IS A PRENOTE ITEM
*** AND ANY NOTIFICATIONS CREATED FOR PRENOTES NEED TO BE
*** PAPER ITEMS.
*** IF THE CF-STATUS IS NOT A 'P' THEN IT MUST BE AN 'A'
*** IN WHICH CASE THIS IS GOING TO BE A CONSUMER DEBIT.
*** ON CONSUMER DEBITS IF THE EFT CODE IS 'P' AND THE DEBIT
*** AMOUNT IS LESS THEN THE CHECK LIMIT AND THE DEBIT AMOUNT
*** PLUS THE CURRENT MONTH TO DATE BALANCE IS LESS THEN THE
*** CREDIT LIMIT THIS ITEM WILL BE PAID THRU CHECKFREE
*** VIA SETTLEMENT CHECK.
*** IF THE ITEM IS NOT WITHIN THESE LIMITS THEN THE ITEM
*** WILL BE PAID VIA PAPER CHECK PAYABLE THRU CONSUMER.
*** IF THE EFT CODE IS 'E' AND THE DEBIT AMOUNT IS LESS THEN THE
*** CHECK LIMIT AND THE DEBIT AMOUNT PLUS THE CURRENT MONTH TO
*** DATE BALANCE IS LESS THEN THE CREDIT LIMIT THIS ITEM
*** WILL BE PAID VIA ACH.
*** IF THE ITEM IS NOT WITHIN THESE LIMITS THEN THE ITEM
*** WILL BE PAID VIA PAPER CHECK PAYABLE THRU CONSUMER.

IF CF-STATUS = 'P'
OR
(CF-RESET-PRENOTE > 0
AND
WS-77-HOLD-PAY-DATE < CF-RESET-PRENOTE)
PERFORM G130-PAPER-ITEMS
THRU G130-PAPER-ITEMS-EXIT

ELSE
IF THE EFT IS A 'P' CREATE A PAPER CHECK REGARDLESS OF
THE AMOUNT. THIS IS BEING DONE BECAUSE WE DON'T CURRENTLY
HAVE AN EXTRACT PROGRAM TO CREATE PAYABLE THRU CHECKFREE
CHECKS.
IF CF-EFT-CODE = 'P'
PERFORM G130-PAPER-ITEMS
THRU G130-PAPER-ITEMS-EXIT

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002480	05/25/91
002481	05/25/91
002482	
002483	01/02/91
002484	01/02/91
002485	01/02/91
002486	01/02/91
002487	01/02/91
002488	01/02/91
002489	01/02/91
002490	01/02/91
002491	01/02/91
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002527	


```

MOVE WS-TRACE-NBR TO WS-77-TRACE-NBR.
MOVE WS-77-TRACE-NBR TO PDR-JUL-DATE.
MOVE 'C' TO PDR-TRANFREE.
MOVE SPACES TO PDR-ORIGIN.
MOVE PDR-JUL-DATE TO TRACKING-JULIAN-DATE.
PERFORM TRACKING-NBR-CALC
THRU TRACKING-NBR-CALC-EXIT.
MOVE TRACKING-NBR-ENC TO PDR-TRACK-NBR.

```

```

PERFORM G150-WRITE-HISTORY
THRU G150-WRITE-HISTORY-EXIT.

```

```

PERFORM G900-WRITE-TRANHOLD
THRU G900-WRITE-TRANHOLD-EXIT.

```

```

IF RO-METHOD = 'A' OR 'C'
PERFORM G200-CREATE-MRCH-CREDIT
THRU G200-CREATE-MRCH-CREDIT-EXIT
ELSE

```

```

GO TO G100-TRANHOLD-RECORD-EXIT.
G100-TRANHOLD-RECORD-EXIT.
EXIT.

```

G120-CHECK-ITEMS.

```

***
*** SETTLEMENT CHECK PAYABLE THRU CHECKFREE.
***

```

```

ADD 1 TO TFR-COL-CMK-ITEMS
CF-CF-MTH-ITEMS
CF-CF-YTD-ITEMS.

```

```

ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-COL-CMK-DOLLARS
CF-CF-YTD-BAL.

```

```

MOVE MMIR-ABRV TO PDR-MRCH-ABRV.

```

```

***
*** CNP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
*** A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.
***

```

```

MOVE MMIR-ROUTE-SETTLE TO CNP-METH-PAY.

```

```

MOVE 'P' TO PDR-MODIFIER.

```

```

MOVE 'C' TO RO-METHOD.

```

```

G120-CHECK-ITEMS-EXIT.
EXIT.

```

G130-PAPER-ITEMS.

```

***
*** PAPER CHECK PAYABLE THRU CONSUMER.
*** ALSO KNOWN AS A PAPER DRAFT.
***

```

```

ADD 1 TO TFR-COL-PPR-ITEMS

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03/13/91

LISTING OF MODULE PDB00010

```

TFR-RMT-PPR-ITEMS.
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-COL-PPR-DOLLARS
TFR-RMT-PPR-DOLLARS.
MOVE MMR-ABRV TO PDR-MRCH-ABRV.
M
M CHP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
M A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.
M
MOVE '99' TO CHP-METH-PAY.
MOVE 'F' TO PDR-MODIFIER.
MOVE 'P' TO RO-METHOD.
G130-PAPER-ITEMS-EXIT.
EXIT.

G140-ACH-ITEMS.
M
M ACH PAYABLE THRU CHECKFREE.
M
ADD 1 TO TFR-COL-ACH-ITEMS
CF-CF-MTH-ITEMS
CF-CF-YTD-ITEMS.
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-COL-ACH-DOLLARS
CF-CF-YTD-DAL.
MOVE CF-MRCH-NAME TO PDR-MRCH-ABRV.
M
M CHP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
M A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.
M
MOVE MMR-ROUTE-SETTLE TO CHP-METH-PAY.
MOVE 'A' TO RO-METHOD.
IF NIGHT-ACH
MOVE 'E' TO PDR-MODIFIER
ELSE
MOVE 'B' TO PDR-MODIFIER.
G140-ACH-ITEMS-EXIT.
EXIT.

M
M THIS MODULE WRITES A HISTORY RECORD OF WHO, WHAT, AND HOW
M MUCH WAS PAID FOR A CONSUMER IN THIS DRAFT PROGRAM.
M
G150-WRITE-HISTORY.
MOVE PDR-CUST-SSN TO CHP-SSN.

```

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```

MOVE PDR-MRCH-PHONE TO CHP-CROSS-R-PHONE.
MOVE PDR-MRCH-CR-PHONE TO CHP-CICK-CR-PHONE.
MOVE PDR-LAST-NAME TO CHP-LAST-NAME.
MOVE PDR-FIRST-NAME TO CHP-FIRST-NAME.
MOVE PDR-MID-INIT TO CHP-MID-INIT.
MOVE PDR-MRCH-PHONE TO CHP-MRCH-PHONE.
MOVE PDR-MRCH-CR-PHONE TO CHP-MRCH-CR-PHONE.
MOVE MR-MRCH-NAME TO CHP-MRCH-NAME.
MOVE PDR-AMT TO CHP-MRCH-AMT.
MOVE PDR-PROC-DATE TO CHP-PAY-DATE.
MOVE PDR-CUST-ACCT TO CHP-ACCT-NBR.
MOVE PDR-JUL-DATE TO CHP-JUL-DATE
MOVE ZEROS TO CHP-CHECK-NBR
      CHP-RTN-DATE.
MOVE SPACES TO CHP-RTN-REASON
      CHP-RTN-STATUS
      CHP-RTN-COMMENT.
MOVE CP-LAST-TRANS-DATE TO CHP-LST-TRANS-DATE.
MOVE PDR-TRACK-NBR TO CHP-TRACK-NBR.
MOVE 'INSERT INTO 1006 IN PARAGRAPH 6150.
      TO STEP-DENOTER.

```

```

EXEC SQL INSERT
      INTO 1006 CONS_HIST_PAY
      (CHP_SSN,
      CHP_CROSS_R_PHONE,
      CHP_CICK_CR_PHONE,
      CHP_LAST_NAME,
      CHP_FIRST_NAME,
      CHP_MID_INIT,
      CHP_MRCH_PHONE,
      CHP_MRCH_CR_PHONE,
      CHP_MRCH_NAME,
      CHP_MRCH_AMT,
      CHP_PAY_DATE,
      CHP_METH_PAY,
      CHP_ACCT_NBR,
      CHP_JUL DATE,
      CHP_CHECK_NBR,
      CHP_RTN DATE,
      CHP_RTN_REASON,
      CHP_RTN_STATUS,
      CHP_RTN_COMMENT,
      CHP_LST_TRANS_DATE,
      CHP_TRACK_NBR)

```

```

VALUES
      (:CHP_SSN,
      :CHP-CROSS-R-PHONE,
      :CHP-CICK-CR-PHONE,
      :CHP-LAST-NAME,
      :CHP-FIRST-NAME,

```

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05/25/91

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```

END-IF
ELSE
  ADD 1 TO
  TFR-RNT-ACH-ITEMS
  ADD WS-77-HOLD-PAY-AMOUNT TO
  TFR-RNT-ACH-DOLLARS
  IF NIGHT-ACH
    MOVE 'E'
    TO PDR-MODIFIER
  ELSE
    MOVE 'B'
    TO PDR-MODIFIER
  END-IF
END-IF
END-IF.

MOVE CP-MRCH-PHONE TO PDR-MRCH-PHONE
MOVE CP-MRCH-CR-PHONE TO PDR-MRCH-CR-PHONE
MOVE MMR-REMIT-ADDR1 TO PDR-MRCH-ADDR1
MOVE MMR-REMIT-ADDR2 TO PDR-MRCH-ADDR2
MOVE MMR-REMIT-CITY TO PDR-MRCH-CITY
MOVE MMR-REMIT-ST TO PDR-MRCH-STATE
MOVE MMR-REMIT-ZIP TO PDR-MRCH-ZIP
MOVE MMR-ROUTE-SETTLE TO PDR-MRCH-SETTLE
MOVE CP-SSN TO PDR-CUST-SSN
MOVE CF-FIRST-NAME TO PDR-FIRST-NAME
MOVE CF-LAST-NAME TO PDR-LAST-NAME
MOVE CF-MID-INIT TO PDR-MID-INIT
MOVE CP-ACCT-NBR TO PDR-CUST-ACCT
MOVE 'C' TO PDR-CHECK-SAVE
MOVE WS-77-HOLD-PAY-DATE TO PDR-PROC-DATE
MOVE WS-77-HOLD-PAY-AMOUNT TO PDR-AMT
MOVE 'PAYMENT' TO PDR-DESCRIPTION
MOVE WS-TRACE-NBR TO WS-77-TRACE-NBR.
MOVE 'M' TO PDR-JUL-DATE.
MOVE PDR-JUL-DATE TO PDR-TRANFREE.
PERFORM TRACKING-NBR-CALC
THRU TRACKING-NBR-CALC-EXIT.
MOVE TRACKING-NBR-ENC TO PDR-TRACK-NBR.
MOVE SPACES TO PDR-ORIGIN.
PERFORM G900-WRITE-TRANHOLD
THRU G900-WRITE-TRANHOLD-EXIT.
G200-CREATE-MRCH-CREDIT-EXIT.
EXIT.

G900-WRITE-TRANHOLD.
MOVE WS-LAST-COMMIT-COUNT TO PD-DRAFT-COMMIT-KEY
WRITE PD-DRAFT-RECORD.
G900-WRITE-TRANHOLD-EXIT.
EXIT.

```

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```

*****
* THE FOLLOWING MODULE UPDATES T001 CONSUMER FILE AND
* T002 CONSUMER PAY WITH NEW PAYMENT INFORMATION AND
* PROCESSING TOTAL INFORMATION.
*****

```

H100-UPDATE-TABLES.

```

MOVE 'UPDATE OF T002 IN PARAGRAPH H100.
TO STEP-DENOTER.

```

```

IF CP-PAY-TYPE EQUAL 'F' OR
CP-PAY-TYPE EQUAL 'V'
IF NOT TEST-PCN

```

EXEC SQL UPDATE T002_CONSUMER_PAY

```

SET CP_MRCH_AMT =: CP-MRCH-AMT,
CP_MRCH_PAY_DATE =: CP-MRCH-PAY-DATE,
CP_NBR_REMAIN =: CP-NBR-REMAIN,
CP_CHG_DATE =: CP-CHG-DATE,
CP_CHG_AMT =: CP-CHG-AMT
WHERE CP_SSN =: CP-SSN
AND

```

```

CP_CHK_PHONE =: CP-CHK-PHONE
AND
CP_CHK_CR_PHONE =: CP-CHK-CR-PHONE
AND
CP_MRCH_PHONE =: CP-MRCH-PHONE
AND
CP_MRCH_CR_PHONE =: CP-MRCH-CR-PHONE
AND
CP_PAY_TYPE =: CP-PAY-TYPE

```

```

END-EXEC
END-IF

```

ELSE

```

MOVE CP-PAY-TYPE TO WS-DEL-PAY-TYPE
MOVE WS-DELETED-DATE TO RO-EXTRA-PAYMENT
MOVE 'DELETE FROM T002 IN PARAGRAPH H100.
TO STEP-DENOTER

```

IF NOT TEST-PCN

```

EXEC SQL DELETE FROM T002_CONSUMER_PAY
WHERE CP_SSN =: CP-SSN
AND

```

```

CP_CHK_PHONE =: CP-CHK-PHONE
AND
CP_CHK_CR_PHONE =: CP-CHK-CR-PHONE
AND

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05/25/91

05/25/91

04/14/91

05/25/91

LISTING OF MODULE PDB00010

GO TO I100-CREDIT-OFFSETS-EXIT.

```

MOVE I          TO PDR-DB-CR-CODE.
MOVE 'I'        TO PDR-STATUS.
IF NIGHT-ACH    TO
MOVE 'E'        TO PDR-MODIFIER
ELSE
MOVE 'B'        TO PDR-MODIFIER.
MOVE 6140986000 TO PDR-MRCH-PHONE.
MOVE 001        TO PDR-MRCH-CR-PHONE.
MOVE 'CHECKFREE TECH.' TO PDR-MRCH-ABRV.
MOVE '720 GREENCREST' TO PDR-MRCH-ADDR1.
MOVE SPACES     TO PDR-MRCH-ADDR2.
MOVE 'WESTERVILLE' TO PDR-MRCH-CITY.
MOVE 'OH'       TO PDR-MRCH-STATE.
MOVE 430810000  TO PDR-MRCH-ZIP.
MOVE '14'       TO PDR-MRCH-SETTLE.
MOVE ZEROS     TO PDR-CUST-SSN.
MOVE 'CHECKFREE' TO PDR-FIRST-NAME.
MOVE 'CREDIT'   TO PDR-LAST-NAME.
MOVE SPACE     TO PDR-MID-INIT.
MOVE ZEROS     TO PDR-CUST-ACCT.
MOVE 044000037 TO PDR-ROUTE-TRANS.
MOVE '10-72049' TO PDR-ACCT-NBR.
MOVE 'C'        TO PDR-CHECK-SAVE.
MOVE SQL-DRAFT-DATE TO PDR-PROC-DATE.
MOVE ACH-OFFSET-DOLLARS TO PDR-AMT.
MOVE 'CHK CREDIT' TO PDR-DESCRIPTION.
MOVE '1357360475' TO PDR-COMPANY-NBR.
MOVE WS-TRACE-NBR TO WS-77-TRACE-NBR.
MOVE WS-77-TRACE-NBR TO PDR-JUL-DATE.
MOVE 'M'        TO PDR-TRANFREE.
MOVE PDR-JUL-DATE TO TRACKING-JULIAN-DATE.
PERFORM TRACKING-NBR-CALC
THRU TRACKING-NBR-CALC-EXIT.
MOVE TRACKING-NBR-ENC TO PDR-TRACK-NBR.
MOVE SPACES          TO PDR-ORIGIN.
PERFORM G900-WRITE-TRANHOLD
THRU G900-WRITE-TRANHOLD-EXIT.
I100-CREDIT-OFFSETS-EXIT.
EXIT.

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M THE FOLLOWING MODULES CREATE THE SUMMARY REPORTS.

J200-WRITE-GRAND-SUMMARY.
MOVE 'OVERALL' TO SUM-DRAFT-DATE.
ADD 1 TO WS-SUMMARY-PAGE-COUNT.
MOVE WS-SUMMARY-PAGE-COUNT TO SUM-PAGE-NUMBER.


```

MOVE 'REMITTANCES'      TO SUM-RMT-RMT-LIT.
MOVE 'FOR'               TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-CHK-ITEMS   TO SUM-RMT-ITEMS.
MOVE TFR-RMT-CHK-DOLLARS TO SUM-RMT-DOLLARS.
MOVE SUM-DETAIL          TO SUMMARY-REPORT-LINE.
MOVE '0'                 TO CC-LINE.
MOVE 2                   TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.

```

```

* WRITE ACH ITEMS LINE
MOVE SPACES              TO SUM-DETAIL.
MOVE 'ACH'               TO SUM-COL-TYPE-LIT.
MOVE 'COLLECTIONS'       TO SUM-COL-COL-LIT.
MOVE 'FOR'               TO SUM-COL-FOR-LIT.
MOVE TFR-COL-ACH-ITEMS   TO SUM-COL-ITEMS.
MOVE TFR-COL-ACH-DOLLARS TO SUM-COL-DOLLARS.
MOVE 'ACH'               TO SUM-RMT-TYPE-LIT.
MOVE 'REMITTANCES'       TO SUM-RMT-RMT-LIT.
MOVE 'FOR'               TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-ACH-ITEMS   TO SUM-RMT-ITEMS.
MOVE TFR-RMT-ACH-DOLLARS TO SUM-RMT-DOLLARS.
MOVE SUM-DETAIL          TO SUMMARY-REPORT-LINE.
MOVE '0'                 TO CC-LINE.
MOVE 2                   TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.

```

```

* START COLLECTIONS TOTAL LINE
MOVE SPACES              TO SUM-DETAIL.
MOVE 'TOTAL'             TO SUM-COL-TYPE-LIT.
MOVE 'COLLECTIONS'       TO SUM-COL-COL-LIT.
MOVE 'FOR'               TO SUM-COL-FOR-LIT.
MOVE TFR-COL-TOT-ITEMS   TO SUM-COL-ITEMS.
MOVE TFR-COL-TOT-DOLLARS TO SUM-COL-DOLLARS.
SET TFR-IDX TO 1.
PERFORM J500-WRITE-STLCODE-SUM
THRU J500-WRITE-STLCODE-SUM-EXIT
VARYING TFR-IDX FROM 1 BY 1
UNTIL TFR-IDX GREATER THAN TRANSFREE-TBL-ENTRIES.
MOVE 'TOTAL'             TO SUM-RMT-TYPE-LIT.
MOVE 'REMITTANCES'       TO SUM-RMT-RMT-LIT.
MOVE 'FOR'               TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-TOT-ITEMS   TO SUM-RMT-ITEMS.
MOVE TFR-RMT-TOT-DOLLARS TO SUMMARY-REPORT-LINE.
MOVE SUM-DETAIL          TO CC-LINE.
MOVE '0'                 TO ADVANCE-AMOUNT.
MOVE 2                   TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.
J200-WRITE-GRAND-SUMMARY-EXIT.

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EXIT.

J300-WRITE-STLCODE-SUM.

M WRITE ACH ITEMS LINE

MOVE TFR-TBL-SC-CODE (TFR-IDX)

TO WS-SC-CODE.

MOVE WS-SC-LIT

TO SUM-RMT-TYPE-LIT.

MOVE 'REMITTANCES'

TO SUM-RMT-RMT-LIT.

MOVE 'FOR'

TO SUM-RMT-FOR-LIT.

MOVE TFR-TBL-SC-ITEMS (TFR-IDX)

TO SUM-RMT-ITEMS.

MOVE TFR-TBL-SC-DOLLARS (TFR-IDX)

TO SUM-RMT-DOLLARS.

MOVE SUM-DETAIL

TO SUMMARY-REPORT-LINE.

MOVE '0'

TO CC-LINE.

MOVE 2

TO ADVANCE-AMOUNT.

PERFORM J900-WRITE-SUM-LINE

THRU J900-WRITE-SUM-LINE-EXIT.

MOVE SPACES

TO SUM-DETAIL.

J300-WRITE-STLCODE-SUM-EXIT.

EXIT.

J800-WRITE-SUM-PAGE.

MOVE '1' TO CC-LINE.

MOVE SUMMARY-REPORT-LINE TO JUNK-LINE.

MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.

WRITE SUMMARY-REPORT-LINE FROM WS-PRINT-LINE.

J800-WRITE-SUM-PAGE-EXIT.

EXIT.

J900-WRITE-SUM-LINE.

MOVE SUMMARY-REPORT-LINE TO JUNK-LINE.

MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.

WRITE SUMMARY-REPORT-LINE FROM WS-PRINT-LINE.

J900-WRITE-SUM-LINE-EXIT.

EXIT.

K100-DRAFTITEM-RECORD.

M CREATES THE DRAFTED ITEMS FILE FOR PAY-BY-PHONE CONSUMERS. M

MOVE '020'

TO DRAFT-TRANS-TYPE.

MOVE '1'

TO DRAFT-CHECK-DIGIT.

MOVE CP-SSN

TO DRAFT-SSN.

MOVE CP-CHECK-CR-PHONE

TO DRAFT-MRCH-XREF.

MOVE CP-CHECK-PHONE

TO DRAFT-MRCH-PHONE.

MOVE CP-CAT-MBR

TO DRAFT-MRCH-CAT.

MOVE CP-MNEMONIC

TO DRAFT-MRCH-MNEMONIC.

MOVE CP-PAY-FREQ

TO DRAFT-PAY-FREQ.

MOVE CP-STATUS

TO DRAFT-PAY-STATUS.

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LISTING OF MODULE PDB00010

EXIT.

9000-COMMIT-WORK.

DISPLAY '#####' WS-TOTALS
PERFORM 9200-WRITE-PAY-TBL THRU 9200-EXIT
PERFORM TRACKING-NBR-SAVE
THRU TRACKING-NBR-SAVE-EXIT.

MOVE 'UPDATING 1900-PROG-CONTROL' TO STEP-DENOTER.
EXEC SQL

UPDATE 1900_PROG_CONTROL

SET PC_LAST_COMMIT_KEY = :PC-LAST-COMMIT-KEY,

PC_RESTART_MODE = :PC-RESTART-MODE,

WHERE PC_PROGRAM_NAME = :WS-PROGRAM-NAME

END-EXEC.

EVALUATE TRUE

WHEN SQLCODE = 0

EXEC SQL

COMMIT

END-EXEC

MOVE WS-PREVIOUS-SSN TO SQL-PREV-SSN

EXEC SQL

OPEN T002

END-EXEC

WHEN SQLCODE = 100

GO TO ERRCMK

WHEN SQLCODE IS NEGATIVE

GO TO ERRCMK

END-EVALUATE.

9000-EXIT. EXIT.

9100-LOAD-PAY-TBL.

```

-----M
M LOAD RESTART ENTRIES FROM THE PAY TABLE FILE. EACH RECORD
M CONTAINS THE INDEX POINTER, SO THAT THE RECORDS CAN BE
M STORED DIRECTLY WHERE THEY WERE WRITTEN FROM. THIS ALSO
M PROVIDES US WITH THE MOST RECENT OCCURRENCE OF AN ENTRY.
M-----M

```

OPEN INPUT PAY-TABLE-INPUT

MOVE ZERO TO TRANSFREE-TBL-ENTRIES.

SET NOT-END-OF-TBLIN TO TRUE.

READ PAY-TABLE-INPUT INTO TRANSFREE-PAY-TABLE-REC

AT END

SET END-OF-TBLIN TO TRUE.

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PERFORM UNTIL END-OF-TBLIN
  MOVE TFR-PAY-TBL-NBR TO TRANFREE-CURR-ENTRY
  TO TRANFREE-SC-ENTRY (TRANFREE-CURR-ENTRY)
  IF TRANFREE-CURR-ENTRY GREATER THAN TRANFREE-TBL-ENTRIES
    MOVE TRANFREE-CURR-ENTRY TO TRANFREE-TBL-ENTRIES
  END-IF
  READ PAY-TABLE-INPUT INTO TRANFREE-PAY-TABLE-REC
  AT END
    SET END-OF-TBLIN TO TRUE
  END-READ
END-PERFORM.

```

```

CLOSE PAY-TABLE-INPUT.
9100-EXIT. EXIT.

```

```

9200-WRITE-PAY-TBL.
  MOVE 1 TO TRANFREE-CURR-ENTRY.
  PERFORM VARYING TRANFREE-CURR-ENTRY FROM 1 BY 1
    UNTIL TRANFREE-CURR-ENTRY > TRANFREE-TBL-ENTRIES
    MOVE WS-LAST-COMMIT-COUNT TO TFR-PAY-TBL-COMMIT
    MOVE TRANFREE-SC-ENTRY (TRANFREE-CURR-ENTRY)
      TO TFR-PAY-TBL-ENTRY
    MOVE TRANFREE-CURR-ENTRY
      TO TFR-PAY-TBL-NBR
    WRITE PAY-TBL-OUTPUT-REC FROM TRANFREE-PAY-TABLE-REC
    END-PERFORM.

```

```

9200-EXIT. EXIT.

```

```

CHECK-EFT-CODE.
  IF NO-METHOD = 'P'
    MOVE CF-PAPR-RT-TRANS TO PDR-ROUTE-TRANS
    MOVE CF-PAPR-ACCT-NBR TO PDR-ACCT-NBR
  ELSE
    MOVE CF-ROUTE-TRANS TO PDR-ROUTE-TRANS
    MOVE CF-ACCT-NBR TO PDR-ACCT-NBR.
CHECK-EXIT. EXIT.

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TXRTNS

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-INC FDATEINS

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-INC SQRERR

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